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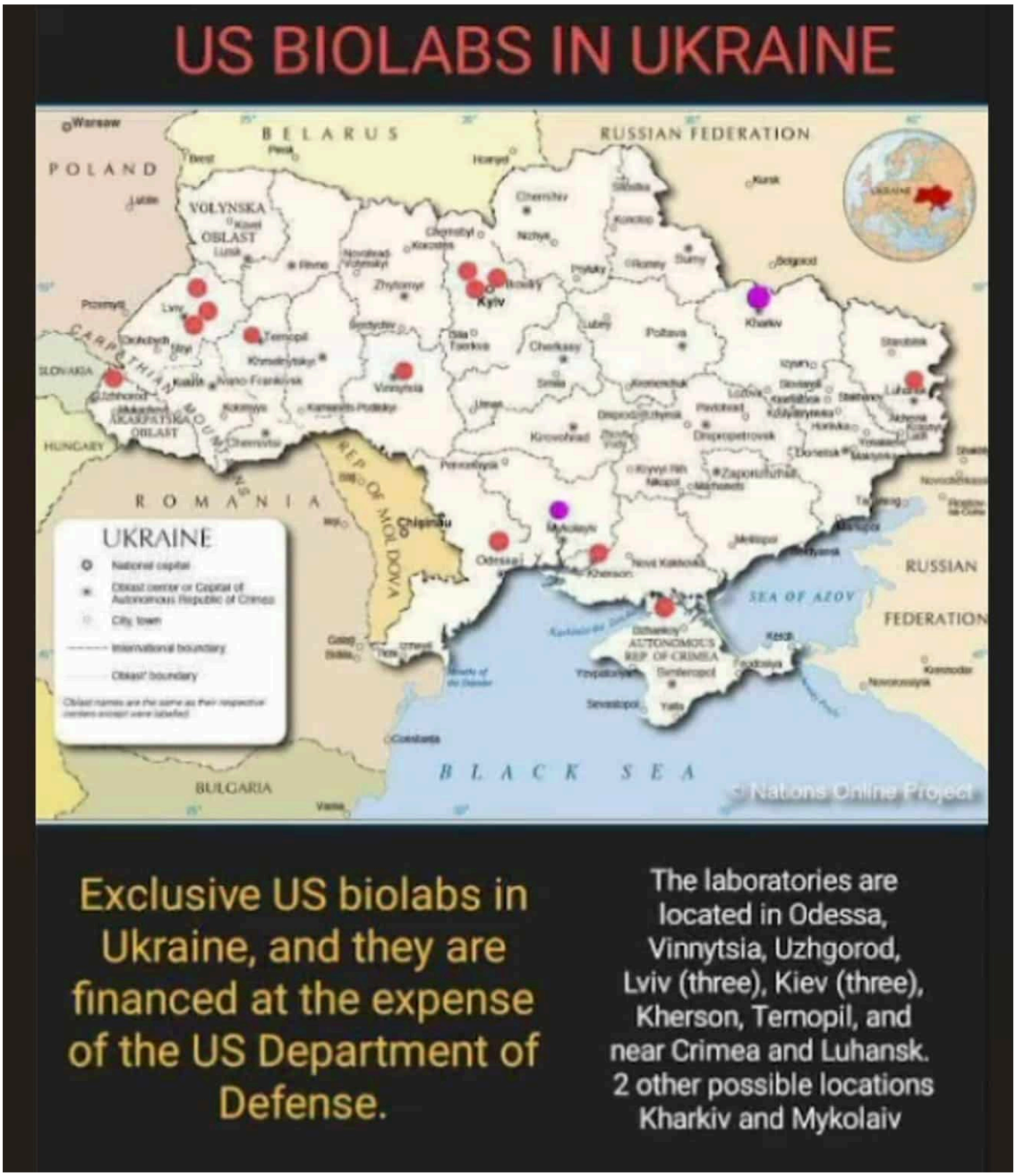
US bioweapons labs in Ukraine: What will Russia find in the labs?

By **VT Editors** - February 24, 2022

https://www.anti-spiegel.ru/2022/us-biowaffenlabore-in-der-ukraine-was-wird-russland-in-den-labors-finden/

Russia's military operation in Ukraine seems to be going very successfully. Of course, the initial reports should be taken with a grain of salt. But the question arises, what will the Russians find in Ukraine?



Reports from the first day of the Russian military operation in Ukraine show that the Ukrainian army does not have much to counter the Russian forces. The Ukrainian army was heavily armed by NATO, but since most Ukrainian soldiers were conscripted to serve against their will, their fighting spirit seems to be decidedly low. In many places it is reported that the Russian army met no resistance at the border and was literally waved through by the Ukrainian forces.

Where fighting has occurred, Ukrainian soldiers have waved white flags. This is not true everywhere, but it seems to have happened very frequently. However, the so-called volunteer battalions in particular, composed of volunteer Ukrainian nationalists, are probably resisting fiercely.

Russia reports that there is no longer a functioning military airport in Ukraine and that a great deal of weaponry, especially anti-aircraft and artillery, was destroyed in the first few hours. The shooting down of several Turkish-made Bayraktar drones was also reported. CNN filmed Russian soldiers allegedly occupying Kiev airport.

This would make sense, as Russia has announced that one of the goals of the military operation is to denazify Ukraine. Apparently, the occupation of civilian airports is intended to limit the ability of those

responsible in Ukraine to escape. U.S. bioweapons labs in Ukraine.

I have often reported that the U.S., more specifically the Pentagon, operates several bioweapons labs in Ukraine. The last time I reported on this was on January 27. The U.S. has always refused international inspections of its labs, so no one knows what they are researching in these labs. But we can assume that Russian special forces will take a closer look at these labs in the coming days.

And this seems to be exactly a can of worms. A tweet was published on Twitter about this and the user was immediately blocked. I won't go into the content of the tweet, which can still be found in an Internet archive. If you are interested, you can view it here [1].

My point is that Twitter was so quick to delete a tweet and its author merely because he pointed out that there are U.S. bioweapons labs in Ukraine and that it looks like their capture is one of the important targets of the Russian military operation.

Who Russia Still Seeks in Ukraine

Russian President Putin said the following in his address to the nation on Monday about the Odessa tragedy of May 2014, in which nearly 50 people were burned alive by radical Maidan supporters and which has never been solved in Ukraine:

"The criminals who committed this atrocity have not been punished and no one is looking for them. But we know their names and will do everything to punish them, find them and bring them to justice."

Considering that the Russian army is also on its way to Odessa, some people there might be getting very nervous right now and trying to leave the city quickly.

The same goes for the radical neo-Nazis who are in power in Ukraine. On Russian television, Russian officials say that they also want to hold those responsible for other crimes, for example in the Donbass [2], accountable.

> *Introduction*
>
> *This devastating 2018 article that brought on an FBI crackdown gives the backgound of how the 2017 research funded by USAID/CIA at the University of North Carolina, using Wuhan Horseshoe Bat virus, may have ended up centering on the US in either a horrible "backfire" or a purposeful Deep State plot against the US.*
>
> *It all began with Project Clear Vision, which is outlined below. The studies tied to this have been cleansed and published by the "on the make" academics and scientists who took the CIA's cash and turned off their common sense and professional ethics, if such things exist anymore.*

Dilyana Gaytandzhieva is a Bulgarian investigative journalist and Middle East Correspondent. Over the last two years, she has published a series of revealed reports on weapons smuggling.

In the past year, she came under pressure from the Bulgarian National Security Agency and was fired from her job in the Bulgarian newspaper Trud Daily without explanation. Despite this, Dilyana continues her investigations. Her current report provides an overview of Pentagon's vigour in the development of biological weapons.

Twitter/@dgaytandzhieva

The US Army regularly produces deadly viruses, bacteria and toxins in direct violation of the UN Convention on the prohibition of Biological Weapons. Hundreds of thousands of unwitting people are systematically exposed to dangerous pathogens and other incurable diseases.

Bio warfare scientists using diplomatic cover test man-made viruses at Pentagon bio laboratories in 25 countries across the world. These US bio-laboratories are funded by the Defense Threat Reduction Agency (DTRA) under a $ 2.1 billion military program– Cooperative Biological Engagement Program (CBEP), and are located in former Soviet Union countries such as Georgia and Ukraine, the Middle East, South East Asia and Africa.

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The Lugar Center, Republic of Georgia

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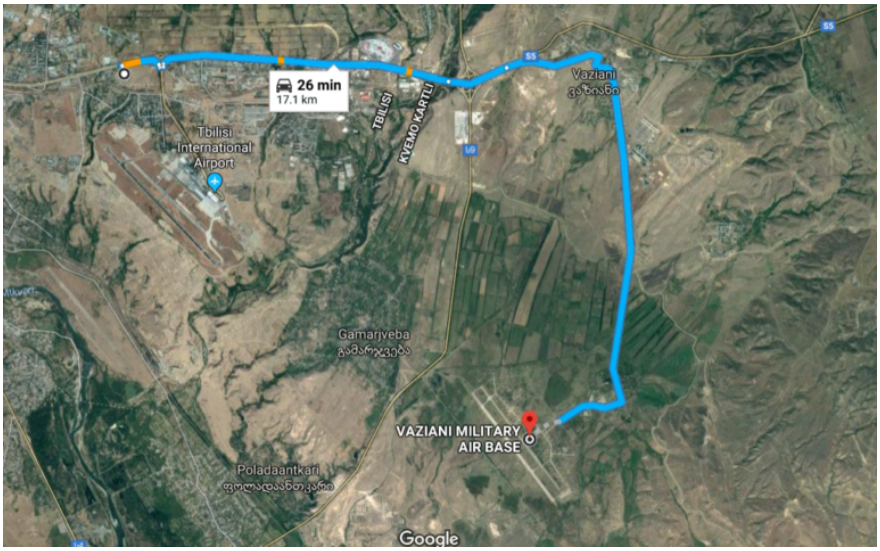

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The US Army has been deployed to Vaziani Military Air Base, 17 km away from the Pentagon bio-laboratory at The Lugar Center.

Georgia is a testing ground for bioweapons

The Lugar Center is the Pentagon bio laboratory in Georgia. It is located just 17 km away from the US Vaziani military airbase in the capital Tbilisi. Tasked with the military program are biologists from the US Army Medical Research Unit-Georgia (USAMRU-G) along with private contractors. The Bio-safety Level 3 Laboratory is accessible only to US citizens with security clearance. They are accorded diplomatic immunity under the 2002 US-Georgia Agreement on defense cooperation.

#	RFP Section	Question	Proposed Answer
	Section B		
36	J- Attachment 3 (DD254) Paragraph 13b	Security Clearances The DD254 implies that ALL personnel are to be U.S citizens and have appropriate security clearances. Will the Government confirm that this will apply only to certain key individuals on a Task Order by Task Order basis, considering the likely involvement of large numbers of non-U.S. nationals in the program?	The need to be a US citizen and have appropriate security clearance is based on the need of that individual to have access to classified information or enter classified spaces.

DoD Requirements for contractors under the DTRA program in former Soviet Union countries such as Georgia, Ukraine, Azerbaijan, Uzbekistan and Kazakhstan. *Source: fbo.gov*

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AGREEMENT BETWEEN

THE GOVERNMENT OF THE UNITED STATES OF AMERICA

AND

THE GOVERNMENT OF GEORGIA

ON

DEFENSE COOPERATION

The Government of the United States of America and the Government of Georgia (hereinafter "the Parties"):

Article VI - Status of United States Military and Civilian Personnel

1. United States military and civilian personnel shall be accorded privileges and immunities equivalent to those provided to administrative and technical staff of the Embassy under the Vienna Convention on Diplomatic Relations concluded on April 18, 1961.

FOR THE GOVERNMENT OF THE UNITED STATES OF AMERICA:

FOR THE GOVERNMENT OF GEORGIA:

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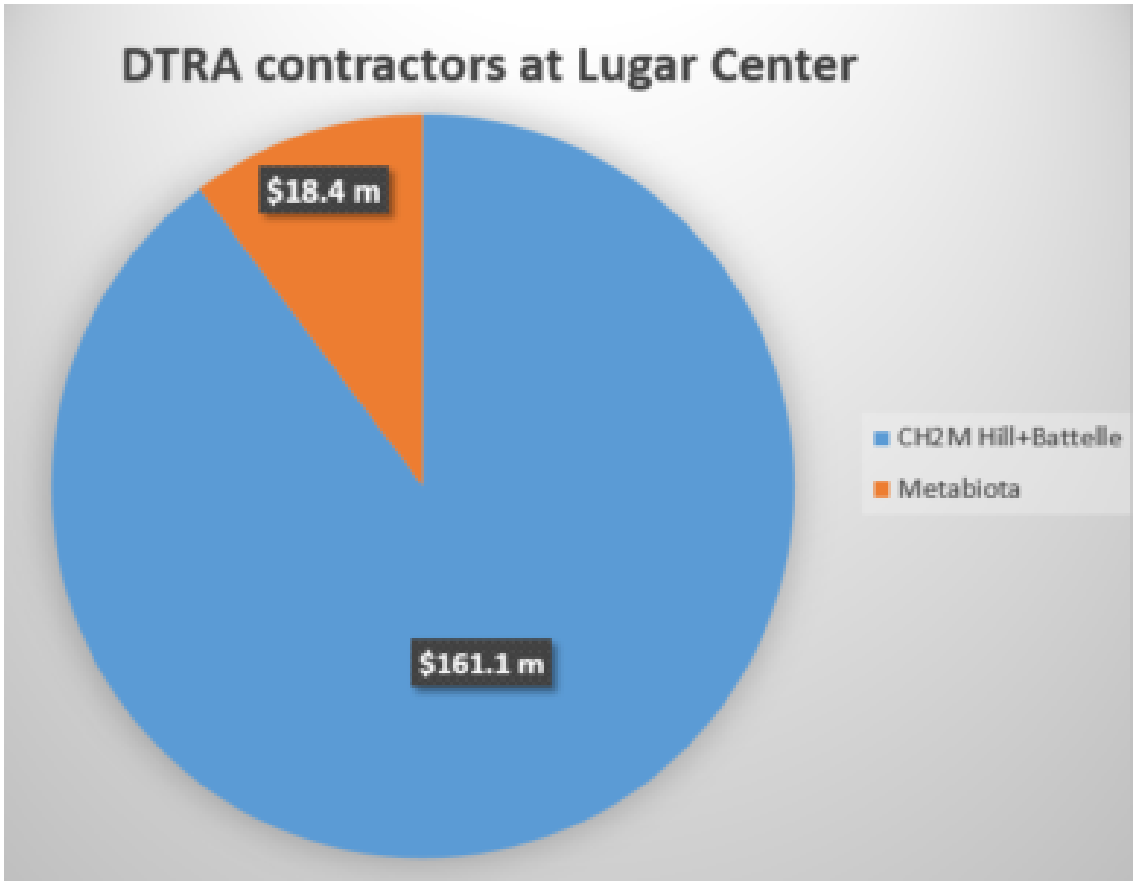
The USA-Georgia agreement accords diplomatic status to the US military and civilian personnel (including diplomatic vehicles), working on the Pentagon program in Georgia.

Information obtained from the US federal contracts registry clarifies some of the military activities at The Lugar Center – among them research on bio- agents (anthrax, tularemia) and viral diseases (e.g. Crimean-Congo Hemorrhagic Fever), and the collection of biological samples for future experiments.

Pentagon contractors produce bio agents under diplomatic cover

The Defense Threat Reduction Agency (DTRA) has outsourced much of the work under the military program to private companies, which are not held accountable to Congress, and which can operate more freely and move around the rule of law.

US civilian personnel performing work at The Lugar Center have also been given diplomatic immunity, although they are not diplomats. Hence, private companies can perform work, under diplomatic cover, for the US government without being under the direct control of the host state – in this case the Republic of Georgia. This practice is often used by the CIA to provide cover for its agents.



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Three private American companies work at the US bio-laboratory in Tbilisi – CH2M Hill, Battelle and Metabiota. In addition to the Pentagon, these private contractors perform biological research for the CIA and various other government agencies.

CH2M Hill has been awarded $341.5 million DTRA contracts under the Pentagon's program for bio-laboratories in Georgia, Uganda, Tanzania, Iraq, Afghanistan, South East Asia. Half of this sum ($161.1 million), being allocated to The Lugar Center, under the Georgian contract.

According to CH2M Hill, the US Company has secured biological agents and employed former bio warfare scientists at The Lugar Center. These are scientists who are working for another American company involved in the military program in Georgia – Battelle Memorial Institute.

Battelle as a $59 million subcontractor at Lugar Center has extensive experience in research on bio-agents, as the company has already worked on the US Bio-weapons Program under 11 previous

contracts with the US Army (1952-1966).

CONTRACTOR	NUMBER OF CONTRACTS	CONTRACT DATE	TERMINATION DATE
Battele Memorial Institute	11	Apr 1952	Oct 1952
		Apr 1952	Mar 1954
		Mar 1953	Mar 1954
		Apr 1953	Mar 1954
		Jul 1954	Aug 1955
		Oct 1954	Feb 1956
		Jun 1956	Sep 1958
		Apr 1957	Jul 1958
		Dec 1962	Jan 1966
		Sep 1964	Feb 1966
		Jun 1965	Aug 1965

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Source: US Army Activities in the US, Biological Warfare Programs, vol. II, 1977, p. 82

The private company performs work for the Pentagon's DTRA bio laboratories in Afghanistan, Armenia, Georgia, Uganda, Tanzania, Iraq, Afghanistan and Vietnam. Battelle conducts research, development, testing, and evaluation using both highly toxic chemicals and highly pathogenic biological agents for a wide range of US government agencies. It has been awarded some $2 billion federal contracts in total and ranks 23 on the Top 100 US government contractors list.

The CIA-Battelle Project Clear Vision

Project Clear Vision (1997 and 2000), a joint investigation by the CIA and the Battelle Memorial Institute, under a contract awarded by the Agency, reconstructed and tested a Soviet-era anthrax bomblet in order to test its dissemination characteristics.

The project's stated goal was to assess bio-agents dissemination characteristics of bomblets.

> **The clandestine CIA-Battelle operation was omitted from the US Biological Weapons Convention declarations submitted to the UN.**

Anthrax spores under microscope

Top Secret Experiments

Battelle has operated a Top Secret Bio laboratory (National Biodefense Analysis and Countermeasures Center – NBACC) at Fort Detrick, Maryland under a US Department of Homeland Security (DHS**) contract** for the last decade. The company has been awarded a $344.4 million federal contract (2006 – 2016) and another $17.3 million contract (2015 -2026) by DHS.

NBACC is classified as a US Top Secret facility. Photo Credit: DHS

Amongst the secret experiments, performed by Battelle at NBACC, are: Assessment of powder dissemination technology ; Assessment of hazard posed by aerosolized toxins and Assessment of virulence of B. Pseudomallei (Meliodosis) as a function of aerosol particle in non-human primates. Melioidosis has the potential to be developed as a biological weapon, hence, it is classed as a category B. Bioterrorism Agent. B. Pseudomallei was studied by the US as a potential bioweapon in the past.

Besides the military experiments at the Lugar Center in Georgia, Battelle has already produced bioterrorism agents at the Biosafety Level 4 NBACC Top Secret Laboratory at Fort Detrick in the US. A NBACC presentation lists 16 research priorities for the lab.

Amongst them to characterize classical, emerging and genetically engineered pathogens for their BTA (biological threat agent) potential; assess the nature of nontraditional, novel and non-endemic induction of disease from potential BTA and to expand aerosol-challenge testing capacity for non-human primates.

Scientists engineer pathogens at the NBACC lab. Source: NBACC

Pentagon biolabs at the epicenter of the Ebola crisis

The US Company Metabiota Inc. has been awarded $18.4 million federal contracts under the Pentagon's DTRA program in Georgia and Ukraine for scientific and technical consulting services.

Metabiota services include global field-based biological threat research, pathogen discovery, outbreak response and clinical trials.

Metabiota Inc. had been contracted by the Pentagon to perform work for DTRA before and during the Ebola crisis in West Africa and was awarded $3.1 million (2012-2015) for work in Sierra Leone – one of the countries at the epicenter of the Ebola outbreak.

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Metabiota worked on a Pentagon's project at the epicenter of the Ebola crisis, where three US biolabs are situated.

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A July 17, 2014 report drafted by the Viral Hemorrhagic Fever Consortium, accused Metabiota Inc. of failing to abide by an existing agreement on how to report test results and for bypassing the Sierra Leonean scientists working there.

The report also raised the possibility that Metabiota was culturing blood cells at the lab, something the report said was dangerous, as well as misdiagnosing healthy patients. All of those allegations were denied by Metabiota.

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2011,The Lugar Center, Andrew C. Weber (on the right) – US Assistant Secretary of Defense (2009-2014), US DoD Deputy Coordinator for Ebola Response (2014-2015), is currently a Metabiota (the US contractor) employee.

Military Experiments on biting insects

Entomological warfare is a type of biological warfare that uses insects to transmit diseases. The Pentagon has allegedly performed such entomological tests in Georgia and Russia.

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Biting Flies in Georgia

In 2014 The Lugar Center was equipped with an insect facility and launched a project "Raising Awareness about Barcoding of Sand Flies in Georgia and Caucasus". The project covered a larger geographic area outside of Georgia – Caucasus. In 2014-2015 Phlebotomine sand fly species were collected under another project "Surveillance Work on Acute Febrile Illness" and all (female) sand flies were tested to determine their infectivity rate. A third project, also including sand flies collection, studied the characteristics of their salivary glands.

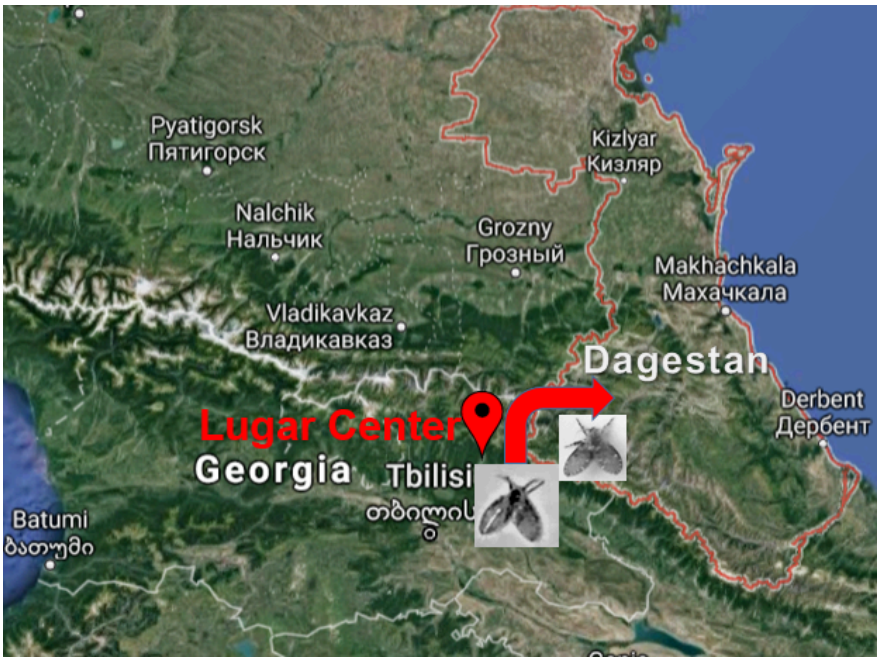
A biting fly in a bathroom in Tbilisi. Flies in Georgia

As a result Tbilisi has been infested with biting flies since 2015. These biting insects live indoors, in bathrooms, all year long, which was not the typical behaviour of these species in Georgia previously (normally the Phlebotomine fly season in Georgia is exceptionally short – from June to September).

Local people complain of being bitten by these newly appeared flies while naked in their bathrooms. They also have a strong resistance to cold and can survive even in the sub-zero temperatures in the mountains.

Biting Flies in Dagestan, Russia

Since the start of the Pentagon project in 2014 flies similar to those in Georgia have appeared in neighboring Dagestan (Russia). According to local people, they bite and cause rashes. Their breeding habitats are house drains.



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Flies in Georgia (on the left). The same fly in Dagestan (on the right)

Flies from the Phlebotomine family carry dangerous parasites in their saliva which they transmit through a bite to humans. The disease, which these flies carry, is of high interest to the Pentagon. In 2003 during the US invasion of Iraq American soldiers were severely bitten by sand flies and contracted Leishmoniasis. The disease is native to Iraq and Afghanistan and if left untreated the acute form of Leishmoniasis can be fatal.

A 1967 US Army report "Arthropods of medical importance in Asia and the European USSR" lists all local insects, their distribution and the diseases that they carry. Biting flies, which live in drains, are also listed in the document. Their natural habitats, though, are the Philippines, not Georgia or Russia.

Project Reference:
1V025001A120

Series:
ES-32

U.S. Army Materiel Command
U.S. ARMY NATICK LABORATORIES
Natick, Massachusetts 01760

TABLE 1 - SAND FLIES (continued)

242. Philippines

SPECIES	BREEDING HABITATS; ADULT ACTIVITY; DISTRIBUTION (GENERAL STATEMENTS)	AUTHOR	DATE
nionio Banks	Kitchen drains; bites at night; 242*	Banks	1919
	Tree holes; ---; 242	Manalang	1930

Click to see the full-size image

Source: "Arthropods of medical importance in Asia and the European USSR", US Army report, 1967

Operation Whitecoat: Infected flies tested to bite humans

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In 1970 and 1972, Sand Fly Fever tests were performed on humans according to a declassified US Army report – *US Army Activities in the US, Biological Warfare Programs, 1977, vol. II, p. 203.* During operation Whitecoat volunteers were exposed to bites by infected sand flies. Operation Whitecoat was a bio-defense medical research program carried out by the US Army at Fort Detrick, Maryland between 1954 and 1973.

Despite the official termination of the US bio-weapons program, in 1982 USAMRIID performed an experiment if sand flies and mosquitoes could be vectors of Rift Valley Virus, Dengue, Chikungunya and Eastern Equine Encephalitis – viruses, which the US Army researched for their potential as bio-weapons.

Killer Insects

A. Aegypti

The Pentagon has a long history in using insects as vectors for diseases. According to a partially declassified 1981 US Army report, American bio warfare scientists carried out a number of experiments on insects. These operations were part of the US Entomological Warfare under the Program for Biological Weapons of the US.

The Pentagon: How to kill 625,000 people for just $0.29 cost per death

A US Army report in 1981 compared two scenarios – 16 simultaneous attacks on a city by *A. Aegypti* mosquitoes, infected with Yellow Fever, and Tularemia aerosol attack, and assesses their effectiveness in cost and casualties.

1.5.2 City Attack.

1.5.2.1 (U) Attack with Yellow Fever-Infected Mosquitoes. The cost of attacking an urban area covertly with yellow fever-infected mosquitoes was estimated. It was assumed the cost of planning a city attack with yellow fever-infected mosquitoes is comparable with the cost of planning an aerosol attack on Washington, DC (scenario 7 of reference 10). In the present hypothetical attack, 16 simultaneous attacks were planned at a total planning cost of $8,750. The cost of one attack would be $547.00 ($8,750 ÷ 16).

(U) Agent production would involve producing 225,000 yellow fever-infected female *A. aegypti*. This is the same number used in the hypothetical battalion attack so the cost would be the same ($9,066).

(U) Munition acquisition was estimated to be $500.00 and weapon employment (truck rental and wages of two semi-skilled people for eight hours) was estimated to be $360.00. These costs are summarized in Table 3.

Table 3. (U) Resource Cost Summary for a Yellow Fever-Infected Mosquito Attack on a City.

Item	Cost (1976 $)
Planning	547
Agent Production	9,066
Munition Acquisition	500
Weapon Employment	360
TOTAL:	10,473

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Table 5. (U) Various Estimates of Cost per Death for an *F. tularensis* Aerosol Attack on a City.

Percent Deaths	Number of Deaths	Cost Per Death (1976 $)
5	62,500	2.86
10	125,000	1.43
20	250,000	0.72
30	375,000	0.48
40	500,000	0.36
50	625,000	0.29

For reference: Evaluation of Entomological Warfare as a potential Danger to the US and European NATO nations, US Army, March 1981 Report

Click to see the full-size image

Operation Big Itch: Field tests were performed to determine coverage patterns and survivability of the tropical rat flea *Xenopsylla cheopis* for use as a disease vector in biological warfare.

Operation Big Buzz: 1 million A. Aegypti mosquitoes were produced, 1/3 were placed in munitions and dropped from aircraft, or dispersed on the ground. The mosquitoes survived the airdrop and actively sought out human blood.

SECTION 4. HISTORY OF EE FIELD TESTING IN THE US (U)

4.1 OPERATION BIG ITCH (8,12)

(U) In 1954 a series of trials was conducted using *X. cheopis* (fleas) in E-14 munitions with cardboard and sponge inserts. The insects were dropped from altitudes of 305 and 610 m over US Army Dugway Proving Ground (DPG), Utah to: (1) investigate the suitability of the munition components for dissemination of these arthropod vectors; (2) determine survival and host acquisition ability of *X. cheopis* disseminated from these devices; (3) plot carrier patterns produced by E-14 munitions filled with the special carriers.

(U) The fleas were successfully reared to the appropriate stage, then dropped on the target with little or no die-off. After release, the insects were successful in acquiring hosts but were not active longer than 24 hours. The sponge carriers were the most widely distributed, as indicated by carrier patterns.

(U) No calculations of effects were attempted in this report.

4.2 OPERATION BIG BUZZ (12,14)

(U) In May 1955 a field test was conducted in Georgia to (1) demonstrate the feasibility of mass-producing, storing, loading into munitions, and disseminating mosquitoes from aircraft, and (2) to determine if the mosquitoes would survive the airdrop and take blood meals from humans.

(U) More than one million uninfected *A. aegypti* were produced and stored for nearly two weeks. About one third of these mosquitoes were placed in E-14 munitions (containing "aircomb waffles" and "loop tubes") and in 0.76 m rocket-shaped ground release munitions, and dropped, without mortality, from aircraft. The remaining mosquitoes were used in munition loading and storage tests. Mosquitoes were released from E-14 munitions when they were 91 m above the ground. The mosquitoes were dispersed by the wind and their own flight and were collected as far as 610 m downwind from the target release site. The female mosquitoes were active in seeking blood meals from humans and guinea pigs.

4.3 OPERATION DROP KICK (12,15)

(b)(1)...

Click to see the full-size image

Source: *Evaluation of Entomological Warfare as a potential Danger to the US and European NATO nations, US Army, March 1981 Report*

Operation May Day: Aedes Aegypti mosquitoes were dispersed through ground based methods in Georgia, USA, during a US Army operation codenamed May Day.

4.5 OPERATION MAY DAY (12,17)

(U) Operation MAY DAY consisted of studies of *A. aegypti* activity and dispersion in an urban area (Savannah, Georgia) from April to November 1956.

(U) The tests were designed to give information on the dispersal of *A. aegypti* from a ground level point-source release in a short period of time. Results were based primarily on mosquito recoveries obtained in dry-ice baited traps. In these tests a small fraction (0.5 percent to 7.75 percent) of the total number of mosquitoes

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Parts of the 1981 US Army report such as the "Mass production of *Aedes Aegypti"* have not been declassified, potentially meaning that the project is still ongoing.

Aedes Aegypti, also known as yellow fever mosquito, have been widely used in US military operations. The same species of mosquitoes are alleged to be the vectors of dengue, chikungunya and the Zika virus, which causes genetic malformations in newborns

Operation Bellweather

The US Army Chemical Research and Development Command, Biological Weapons Branch, studied outdoor mosquito biting activity in a number of field tests at Dugway Proving Ground, Utah, in 1960. Virgin female Aedes aegypti mosquitoes, which had been starved, were tested upon troops out in the open air.

Fig. 5.- Determining the number of entrapped mosquitoes in a trap, BW 459.

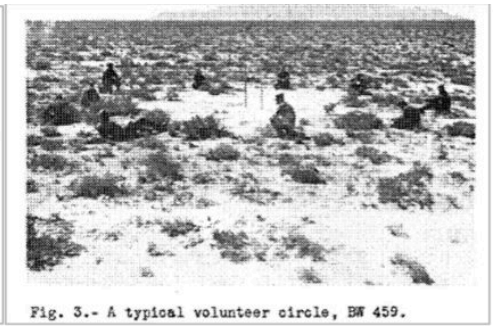

Fig. 3.- A typical volunteer circle, BW 459.

Click to see the full-size image

For reference: Outdoor Mosquito Biting Activity Studies, Project Bellweather I, 1960, Technical Report, US Army, Dugway Proving Ground

Military Experiments with Tropical Mosquitoes and Ticks in Georgia

Such species of mosquitoes and fleas (studied in the past under the US Entomological Warfare Program) have also been collected in Georgia and tested at The Lugar Center.

Under the DTRA project "Virus and Other Arboviruses in Georgia" in 2014 the never-before-seen tropical mosquito Aedes albopictus was detected for the first time and after decades (60 years) the existence of Aedes Aegypti mosquito was confirmed in West Georgia.

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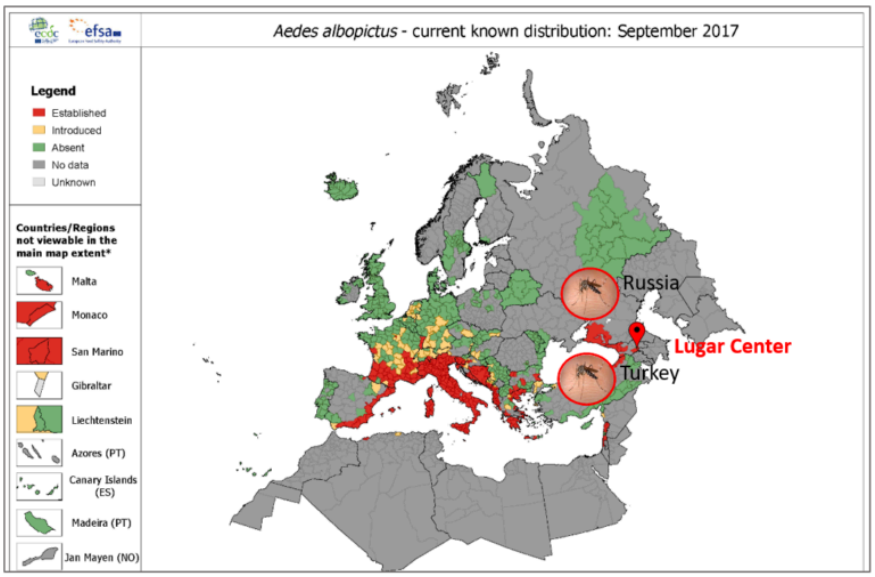
Aedes Albopictus is a vector of many viral pathogens, Yellow fever virus, Dengue, Chikungunya and Zika.

These tropical mosquitoes Aedes Albopictus having never been seen before in Georgia, have also been detected in neighboring Russia (Krasnodar) and Turkey, According to data provided by the European Centre for Disease Prevention and Control, Their spread is unusual for this part of the world.



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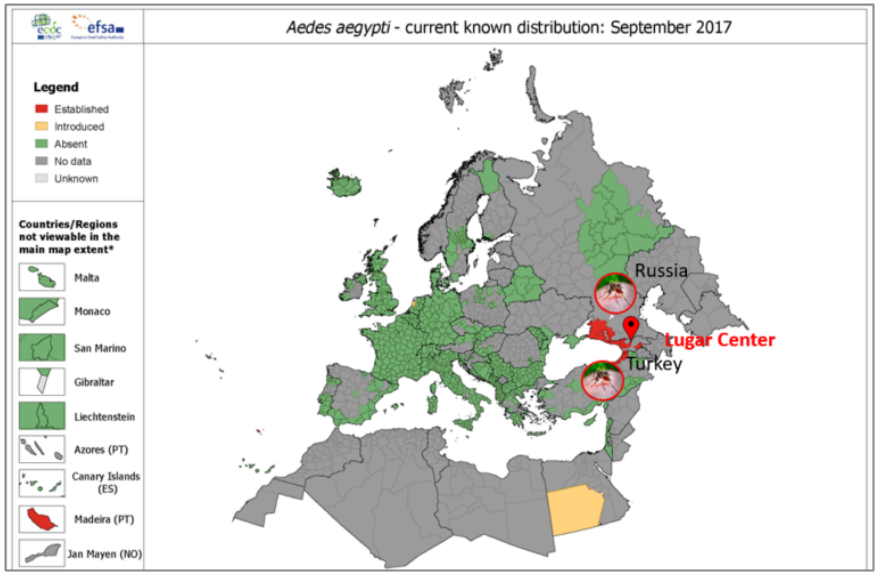
Aedes Aegypti Mosquitoes have been distributed only in Georgia, Southern Russia and Northern Turkey. They were detected for the first time in 2014 after the start of the Pentagon program at The Lugar Center.



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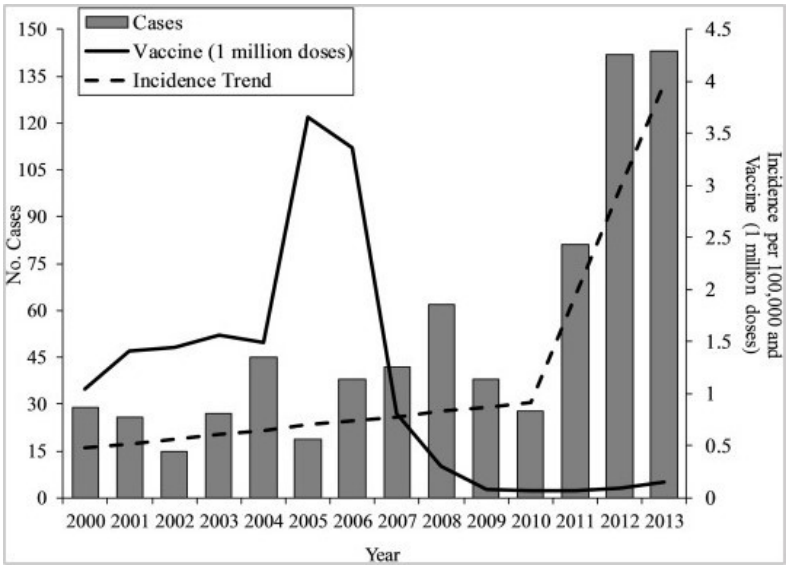
Under another DTRA project "Epidemiology and Ecology of Tularemia in Georgia" (2013-2016) 6,148 ground ticks were collected ; 5,871 were collected off the cattle and 1,310 fleas and 731 ticks were caught. In 2016 a further 21 590 ticks were collected and studied at The Lugar Center.

Anthrax Outbreak in Georgia and NATO Human Trials

In 2007 Georgia ended its policy of having compulsory annual livestock anthrax vaccination. As a result, the morbidity rate of the disease reached its peak in 2013. The same year NATO started human based anthrax vaccine tests at The Lugar Center in Georgia.



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In 2007 despite the anthrax outbreak the Georgian government terminated the compulsory vaccination for 7 years, 2013 saw NATO start human trials on a new anthrax vaccine in Georgia.

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Pentagon Research on Russian Anthrax

Anthrax is one of the bio agents weaponized by the US Army in the past. Despite the Pentagon's claims that its program is only defensive, there are facts to the contrary. In 2016 at The Lugar Center American scientists carried out research on the "Genome Sequence of the Soviet/Russian *Bacillus anthracis* Vaccine Strain 55-VNIIVViM", which was funded by the U.S. Defense Threat Reduction Agency's (DTRA) Cooperative Biological Engagement Program in Tbilisi, and administered by Metabiota (the US contractor under the Pentagon program in Georgia).

In 2017 the DTRA funded further research – Ten Genome Sequences of Human and Livestock Isolates of *Bacillus anthracis* from the Country of Georgia, which was performed by USAMRU-G at The Lugar Center.

34 people intentionally infected with Crimean-Congo Hemorrhagic Fever (CCHF) in Georgia

Crimean-Congo hemorrhagic fever (CCHF) is caused by infection through a tick-borne virus (Nairovirus). The disease was first characterized in **Crimea** in 1944 and given the name Crimean hemorrhagic fever. It was then later recognized in 1969 as the cause of illness in **Congo**, thus resulting in the current name of the disease.

In 2014 34 people became infected (among which a 4-year old child) with CCHF. 3 of which died. The same year Pentagon biologists studied the virus in Georgia under the DTRA project "Epidemiology of febrile illnesses caused by Dengue viruses and other Arboviruses in Georgia". The project included tests on patients with fever symptoms and the collection of ticks, as possible vectors of CCHV for laboratory analysis.

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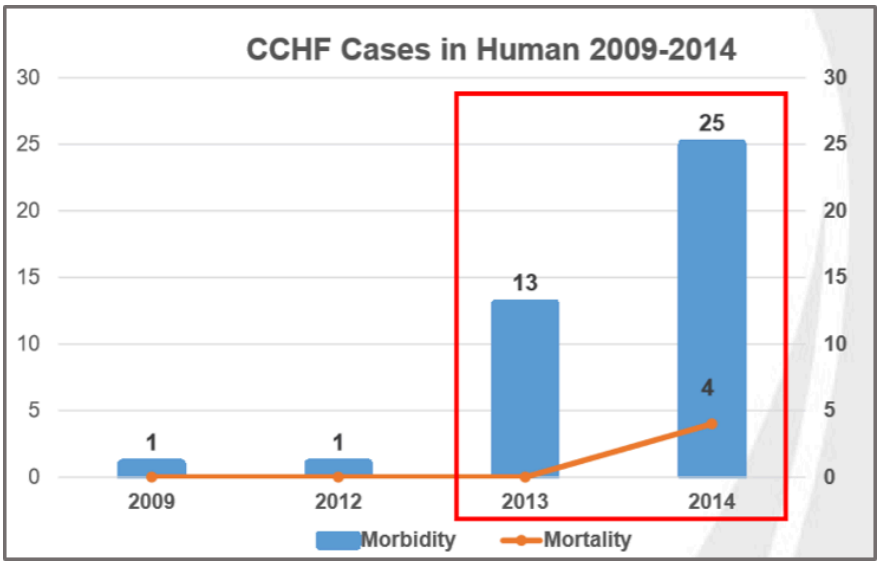
33 people became infected with CCHF, 3 of them died in Georgia.



Source: NCDC-Georgia

The cause of the CCHF outbreak in Georgia is still unknown. According to the local Veterinary Department report, only one tick from all of the collected species from the infected villages tested positive for the disease. Despite the claims of the local authorities that the virus was transmitted to humans from animals, all animal blood samples were negative too. The lack of infected ticks and animals is inexplicable given the sharp increase of CCHF human cases in 2014, meaning that the outbreak was not natural and the virus was spread intentionally.

In 2016 another 21 590 ticks were collected for DNA database for future studies at The Lugar Center under the Pentagon project "Assessing the Seroprevalence and Genetic Diversity of Crimean-Congo Hemorrhagic Fever Virus (CCHFV) and Hantaviruses in Georgia".

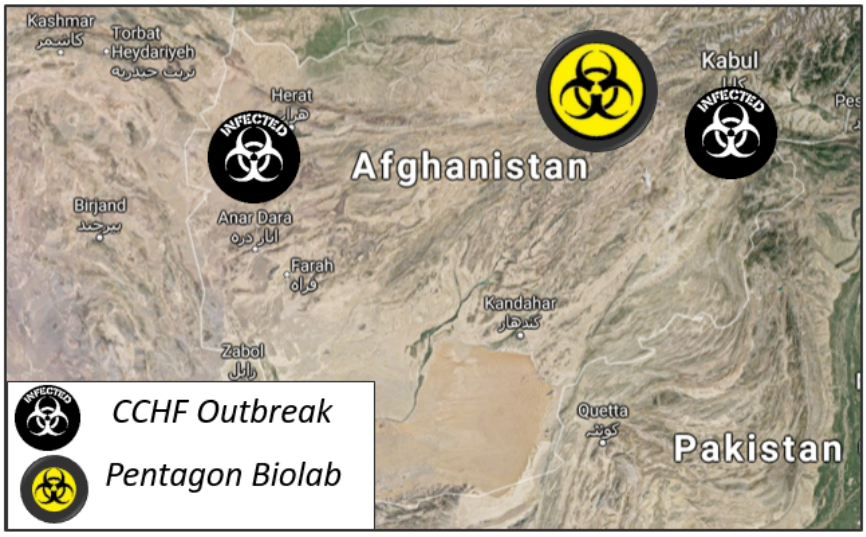
Symptoms of CCHF

Military bio-lab blamed for deadly CCHF outbreak in Afghanistan

237 cases of Crimean-Congo Hemorrhagic Fever (CCHF) have also been reported across Afghanistan, 41 of which were fatal as of December 2017. According to Afghanistan's Ministry of Health most of the cases have been registered in the capital Kabul where 71 cases have been reported with 13 fatalities, and in the province of Herat near the border with Iran (67 cases).

Source: Ministry of Health of Afghanistan

Click to see the full-size image



Click to see the full-size image

Afghanistan is one of 25 countries across the world with Pentagon bio-laboratories on their territory. The project in Afghanistan is part of the US bio-defense program – Cooperative Biological Engagement Program (CBEP), which is funded by the Defense Threat Reduction Agency (DTRA). The DTRA contractors, working at The Lugar Center in Georgia, CH2M Hill and Battelle have also been contracted for the program in Afghanistan. CH2M Hill has been awarded a $10.4 million contract (2013-2017). The Pentagon contractors in Afghanistan and Georgia are the same and so are the diseases which are spreading among the local population in both countries.

Why the Pentagon collects and studies bats

Bats are allegedly the reservoir hosts to the Ebola Virus , Middle East Respiratory Syndrome (MERS) and other deadly diseases. However, the precise ways these viruses are transmitted to humans are currently unknown. Numerous studies have been performed under the DTRA Cooperative Biological Engagement Program (CBEP) in a search for deadly pathogens of military importance in bats.

Click to see the full-size image

221 bats were euthanized at the Lugar Center for research purposes in 2014.

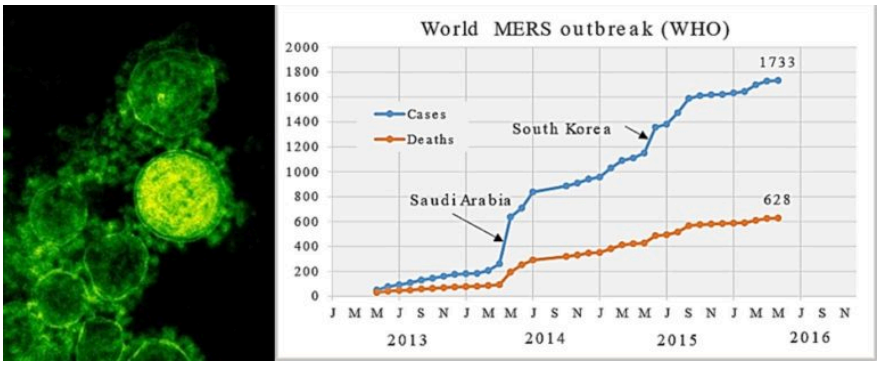
Click to see the full-size image

Bats have been blamed for the deadly Ebola outbreak in Africa (2014-2016). However, no conclusive evidence of exactly how the virus "jumped" to humans has ever been provided, which raises suspicions of intentional and not natural infection.

Engineering deadly viruses is legal in the US

MERS-CoV is thought to originate from bats and spread directly to humans and/or camels. However, like Ebola, the precise ways the virus spreads are unknown.

1,980 cases with 699 deaths were reported in 15 countries across the world (as of June 2017) caused by MERS-CoV.



3 to 4 out of every 10 patients reported with MERS have died. Source: WHO

MERS-CoV is one of the viruses that have been engineered by the US and studied by the Pentagon, as well as Influenza and SARS. Confirmation of this practice is Obama's 2014 temporary ban on government funding for such "dual-use" research. The moratorium was lifted in 2017 and experiments have continued.

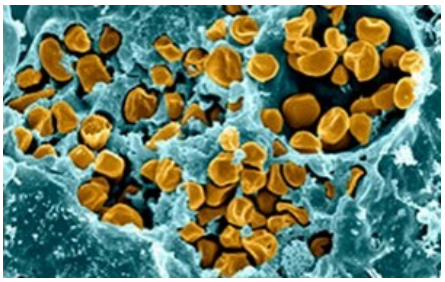
Enhanced Potential Pandemic Pathogens (PPPs) experiments are legal in the US. Such experiments aim to increase the transmissibility and/or virulence of pathogens.

Tularemia as Bioweapon

Tularemia, also known as Rabbit Fever, is classified as a bioterrorism agent and was developed in the past as such by the US. However, the Pentagon's research on tularemia continues, as well as on possible vectors of the bacteria such as ticks and rodents which cause the disease.

The DTRA has launched a number of projects on Tularemia along with other especially dangerous pathogens in Georgia. Especially Dangerous Pathogens (EDPs), or select agents, represent a major concern for the public health globally.

These highly pathogenic agents have the potential to be weaponized with proof of their military importance seen through the following Pentagon projects: Epidemiology and Ecology of Tularemia in Georgia (2013-2016) (60 000 vectors were collected for strain isolates and genome research); Epidemiology of Human Tularemia in Georgia and Human Disease Epidemiology and Surveillance of Especially Dangerous Pathogens in Georgia (study of select agents among patients with undifferentiated fever and hemorrhagic fever/septic shock).



Click to see the full-size image

F. Tularensis is a highly infectious bacterium and has the potential to be weaponized for use through aerosol attacks.

UNCLASSIFIED

Table 1. (U) Resource Cost Summary for an *F. tularensis* Aerosol Attack on a Battalion.

Item	Cost (1976 $)
Planning	8,750
Agent Production	10,000
Munition Acquisition	9,897
Weapon Employment	5,700
TOTAL:	34,347

Click to see the full-size image

Table 4. (U) Resource Cost Summary for an *F. tularensis* Aerosol Attack on a City.

Item	Cost (1976 $)
Planning	547
Agent Production	174,000
Munition Acquisition	1,435
Weapon Employment	3,250
TOTAL:	179,232

Click to see the full-size image

Tularemia is one of the bio-weapons that the US Army developed in the past.

Source: 1981 US Army Report

Pentagon bio-laboratories spread diseases in Ukraine

Click to see the full-size image

The DoD Defense Threat Reduction Agency (DTRA) has funded 11 bio-laboratories in the former Soviet Union Country Ukraine, bordering on Russia.

Dnipropetrovsk Diagnostic Laboratory
Dnipropetrovsk Oblast Laboratory Center
39/A, Filosofs'ka str., Dnipropetrovsk

Fact Sheet

Technical Assistance Project - technical assistance plan for relevant recipients of Ministry of Health of Ukraine.

Donor – the Department of Defense of USA

Beneficiary/Executive Agent - Ministry of Health of Ukraine

Recipient – Dnipropetrovsk Oblast Laboratory Center (former Dnipropetrovsk Oblast SES)
Address: 26, Smidta /39/A, Filisofs'ka Str., Dnipropetrovsk.
POC: Dr. Valeriy Grygorovych Kapshuk, Chief Doctor

Contractor Team - Integrating Contractor: Black & Veatch. Ukrainian Subcontractors: Dnipropetrovsk Domus-Proekt (Designer) & RK-Center (Construction) & Mediamax (Equipment supply).

Design Oversight (Avtornadzor) – Dnipropetrovsk Domus-Proekt

Construction Oversight (Technadzor) – D.V Zyrianov

Expert Examination of Design Approval - The Conceptual Design was approved by MoH Central Regime Commission on August 11, 2010. The Working Design was approved by Dnipropetrovsk "Ukrbudderzhexpertise" on December 01, 2010.

Construction permit - The Construction Permit was signed GASK (State Architectural Construction Inspection in Dnipropetrovsk oblast) on December 21, 2010.

State Acceptance – "Construction Acceptance Act" was signed by the Chief Doctor Kapshuk Valeriy Grygorovych on October 03, 2011 and registered by GASK (State Architectural Construction Inspectorate) on October 03, 2011.

Transfer of Custody and Sustainment Memorandum of Understanding – The TOC and S&T MoU was signed by the Chief Doctor, Dr. Valeriy Grygorovych Kapshuk on January 18, 2012.

EDPs Permit – The permit for working with Pathogens was issued by Regime Commission of MoH on February 15, 2012.

USG Investment - Total cost of laboratory: **USD$1,935,557** (USD$1,531,479 for Design & Construction; USD$404,078 for lab equipment and furniture)

Click to see the full-size image

Dnipropetrovsk State Regional Diagnostic Veterinary Laboratory
(Dnipropetrovsk RDVL)
48, Kirova ave., Dnipropetrovsk

Information Summary

Technical Assistance Plan - Memorandum for technical assistance to designated recipients of the State Committee of Veterinary Medicine of Ukraine and the National Academy of Agrarian Sciences of Ukraine. Registration Card # 2225-04 on 21.05.2012.

Donor – the United States Defense Threat Reduction Agency (DTRA)

Beneficiary/Executive Agent - State Committee of Veterinary Medicine of Ukraine (currently - State Veterinary and Phytosanitary Service of Ukraine)

Recipient – Dnipropetrovsk State Regional Laboratory of Veterinary Medicine; 48, Kirova ave., Dnipropetrovsk.
Malimon Oleksandr Grygorovych, Director

Contractor Team - Integrating Contractor: Black & Veatch Special Projects Corp. Ukrainian Subcontractors: Project Technical Center (Designer) & Mediamax (Construction & Equipment Supplier).

Design Oversight –Project Technical Center, Sergey Volodymyrovych Mutilin

Construction Oversight – Georgii Petrovych Granich

Design-project Expert Assessment - Draft project was approved by the Central Regime Committee of the Ministry of Health of Ukraine on March27, 2012. Working design-project was approved by the Decree of the Director of Dnipropetrovsk SRLVM on June 21, 2013

Construction permit – Declaration for construction works was signed by the Director of Dnipropetrovsk Regional State Veterinary Laboratory (Oleksandr Malimon) and registered in the State Architectural Construction Inspection in the Dnipropetrovsk region on July 19, 2012.

Operational readiness - Declaration of facility operational readiness was provided to the Director of the Dnipropetrovsk State Regional Veterinary Laboratory to sign and submit to the State Construction Inspection. Veterinary Working Group inspected the facility on May 23, 2013. The Black & Veatch has received the comments and sent the answer on July 7, 2013.

Transfer of Custody (Acceptance Act) and Memorandum of Understanding – The TOC was signed on April 17, 2013

EDPs Permit – The obtaining of the Permit for working with pathogens is in process.

Certification of Attestation / Accreditation - Certification of Attestation / Accreditation process will be started after obtaining Permit for working with Pathogens.

USG Investment - Total cost of laboratory: **$1, 810, 547 USD** ($1,298,805,19 for Design & Construction; $511,742 for lab equipment and furniture)

Click to see the full-size image

Lviv Diagnostic Laboratory
Lviv Oblast Laboratory Center
27, Krupyarskaya Str. Lviv

Fact Sheet

Technical Assistance Project - Technical Assistance Plan for Designated Recipients of the Ministry of Health of Ukraine. Registration card #2225-04 dated 21.05.2012.

Donor – the Department of Defense of the United States of America

Beneficiary/Executive Agent – the Ministry of Health of Ukraine

Recipient – Lviv Oblast Laboratory Center (former Oblast SES)
Address: 27, Krupyarskaya Str. Lviv
POC: Dr. Lubamira Evgenivna Shepelenko, Acting Director of Laboratory Center

Contractor Team - Integrating Contractor: Black & Veatch. Ukrainian Subcontractors: Central Design Institute - Lviv (Designer) & RK-Center (Construction) & Mediamax (equipment supply).

Design Oversight (Avtonadzor) – Central Design Institute, Lviv - Evgeni Vasiliovich Svetlichniy

Construction Oversight (Technadzor) - Bogdan Ivanovich Ostrovskiy

Expert Examination of Design Approval - The Conceptual Design was approved by MoH Central Regime Commission on August 11, 2011. The Working Design was approved by Lviv "Ukrbudderzhexpertise" on August 12, 2011.

Construction permit - The Declaration for start to construction was signed by the Chief Doctor of Lviv Oblast SES (Dr. Roman Mikhailovich Pavliv) and registered at GASK (State Architectural Construction Inspection in Lviv oblast) on July 13, 2010

State Acceptance - "Construction Ready for Operation Declaration" was signed by the Acting Chief Doctor, Dr. Mikola Vasilievich Urbanvoich, and registered at GASK (State Architectural Construction Inspection in Lviv oblast) on December 25, 2012

Transfer of Custody and Sustainment Memorandum of Understanding - The TOC and S&T MoU were signed by the Chief Doctor of Lviv Oblast SES, Dr. Roman Mikhailovich Pavliv, on July 24, 2012.

EDPs Permit - The permit for working with Pathogens was issued by Regime Commission of MoH on July 2, 2012.

USG Investment - Total cost of laboratory: **USD$1,927,158** (USD$1,523,080 for Design & Construction; USD$404,078 for lab equipment, furniture, and installation)

Click to see the full-size image

Kherson Diagnostic Laboratory
Kherson Oblast Laboratory Center
3 Uvarova Str., Kherson

Fact Sheet

Technical Assistance Project - Technical Assistance Plan for designated recipients of the Ministry of Health of Ukraine. Registration card #2225-04 dated 21.05.2012.

Donor – the Department of Defense of the United States of America

Beneficiary/Executive Agent - the Ministry of Health of Ukraine

Recipient – Kherson Oblast Laboratory Center (former Kherson Oblast SES)
Address: 3 Uvarova Str., Kherson
POC: Dr. Vasyl Oleksiovych Stryapochuk, Director of the Oblast Laboratory Center

Contractor Team - Integrating Contractor: Black & Veatch. Ukrainian Subcontractors: Techno Project (Designer) & Macrochem (Construction & Equipment supply).

Design Oversight (Avtornadzor) - Vasyl Petrovych Lysenko

Construction Oversight (Technadzor) - Pavel Yakovlevich Andrievskiy

Expert Examination of Design Approval - Conceptual Design was approved by the MoH Central Regime Commission on September 23, 2011. The Working Design was approved by Kherson "Ukrbudderzhexpertise" on February 21, 2012.

Construction permit - The Declaration for start of construction was signed by the Chief Docor of Kherson Oblast SES (Vasyl Oleksiovych Striapochuk) and registered at GASK (State Architectural Construction Inspection in Kherson oblast) on April 03, 2012.

State Acceptance - "Construction Ready for Operation Declaration" was signed by the Chief Doctor (Dr. Vasyl Oleksiovych Stryapochuk) on December 25, 2012 and registered at GASK (State Architectural Construction Inspection in Kherson oblast) on December 28, 2012.

Transfer of Custody and Sustainment Memorandum of Understanding - Transfer of Custody is in process.

EDPs Permit - Permit for working with Pathogens will be obtained after signing TOC and MoU.

USG Investment - Total cost of laboratory: **USD$1,728,822** (USD$1,285,845 for Design & Construction; USD$442,977 for lab equipment and furniture)

Click to see the full-size image

Lviv Research Institute of Epidemiology and Hygiene (LRIEH)
12, Zelena Str. Lviv

Fact Sheet

Technical Assistance Project - Technical Assistance Plan for designated recipients of the Ministry of Health of Ukraine. Registration card #2225-04 dated 21.05.2012.

Donor – the Department of Defense of the United States of America

Beneficiary/Executive Agent – the Ministry of Health of Ukraine

Recipient – Lviv Research Institute of Epidemiology and Hygiene (LRIEH);
Address:12 Zelena Str. Lviv.
POC: Dr. Olexandra Olexandrivna Tarashyuk, Director of Institute

Contractor Team - Integrating Contractor: Black & Veatch. Ukrainian Subcontractors: Lviv Proekt Institute (design) & RK-Center (Construction) & Biolabtech (Equipment supply).

Design Oversight (Avtonadzor) – Lviv Proekt Institute -Senish, Anantoly Mikolayovich.

Construction Oversight (Technadzor) – "Fenix" company, V.M.Andruhin

Expert Examination of Design Approval - The Conceptual Design was approved by MoH Central Regime Commission on November 06, 2009. The Working Design was approved by Lviv "Ukrbudderzhexpertise" on December 10, 2009.

Construction permit - The Construction Permit was signed by GASK (State Architectural Construction Inspection) on April 27, 2010

State Acceptance – "Construction Acceptance Act" was signed by the members of the Regime Commission of MOH and approved by the Acting Director, Dr. Igor Mykolayovich Lozyns'kyi on June 25, 2010. BTI (Building Technical Passport) was obtained on August 20, 2010. Declaration on state acceptance was registered at GASK (State Architectural Construction Inspection in Lviv Oblast) on July 28, 2011, #14211022432.

Transfer of Custody and Sustainment Memorandum of Understanding – The TOC was signed on March 21, 2011 and S&T MoU was signed May 04, 2011 by the Acting Director, Dr. Igor Mykolayovich Lozyns'kyi.

EDPs Permit – The permit for working with Pathogens was issued by the Regime Commission of MoH on December 21, 2011.

USG Investment - Total cost of laboratory: **USD$1,530,205** (USD$1,061,357 for Design & Construction; USD$468,848 for lab equipment and furniture)

Click to see the full-size image

State Regional Laboratory of Veterinary Medicine
Lviv Regional Diagnostic Veterinary Laboratory
7, Promislova Str. Lviv

Fact Sheet

Technical Assistance Project - Memorandum on Technical Assistance for Project Recipients of the State Committee of Veterinary Medicine of Ukraine and National Academy of Agrarian Sciences of Ukraine

Donor – the Department of Defense of the United States of America (DoD)

Beneficiary/Executive Agent - the State Committee of Veterinary Medicine of Ukraine (renamed the State Veterinary and Phytosanitary Service of Ukraine)

Recipient – State Regional Laboratory of Veterinary Medicine
Address: 7, Promislova Str. Lviv
POC: Dr. Roman Petrovich Simonov, Director of Laboratory

Contractor Team - Integrating Contractor: Black & Veatch. Ukrainian Subcontractors: Project Development Center (designer) & Mediamax (Construction & Equipment supply).

Design Oversight (Avtonadzor) - Sergey Vladimirovich Mutilin

Construction Oversight (Technadzor) - Bogdan Ivanovich Ostrovskiy

Expert Examination of Design Approval - The Conceptual Design was approved by MoH Central Regime Commission on March 27, 2012. The Working Design was approved by Lviv "Ukrbudderzhexpertise" on May 31, 2012.

Construction permit - The Declaration for start of construction was signed by the Director of Lviv State Regional Laboratory of Veterinary Medicine (Dr. Roman Petrovich Simonov) and registered at GASK (State Architectural Construction Inspection in Lviv oblast) on June 01, 2012

State Acceptance - "Construction Ready for Operation Declaration" was submitted to the Director of Lviv State Regional Laboratory of Veterinary Medicine for signature on October 22, 2012. Veterinary working group inspection completed on December 3-4, 2012. Black & Veatch received their comments and responded on December 27, 2012.

Transfer of Custody and Sustainment Memorandum of Understanding - The TOC and S&T MoU were submitted for signature to the State Veterinary and Phytosanitary Service of Ukraine on January 10, 2013.

EDPs Permit - The Permit for working with Pathogens is in progress.

USG Investment - Total cost of laboratory: USD$1,734,971 (USD$1,253,803 for Design & Construction; USD$481,168 for lab equipment, furniture, and installation)

Click to see the full-size image

Ternopil Diagnostic Laboratory
Ternopil Oblast Laboratory Center
13 Fedkovycha str., Ternopil

Fact Sheet

Technical Assistance Project - Technical Assistance Plan for designated recipients of the Ministry of Health of Ukraine. Registration card #2225-04 dated 21.05.2012.

Donor – the Department of Defense of the United States of America

Beneficiary/Executive Agent - the Ministry of Health of Ukraine

Recipient – Ternopil Oblast Laboratory Center (former Ternopil Oblast SES)
Address: 13 Fedkovycha str., Ternopil
POC: Stepan Semenovych Dnistrian, Director of Oblast Laboratory Center

Contractor Team - Integrating Contractor: Black & Veatch. Ukrainian Subcontractors: Techno Project (Designer) & Macrochem (Construction & Equipment supply).

Design Oversight (Avtornadzor) - Vasyl Petrovich Lysenko

Construction Oversight (Technadzor) - Yaroslav Nikolaevich Malichenko

Expert Examination of Design Approval - Conceptual Design was approved by the MoH Regime Commission on November 24, 2011. The Working Design was approved by Ternopil "Ukrbudderzhexpertise" on April 11, 2012.

Construction permit - The Declaration for start of construction was signed by the Chief Doctor of Ternopil Oblast SES (Dr. Stepan Semenovych Dnistrian) and registered at GASK (State Architectural Construction Inspection in Ternopil oblast) on April 20, 2012.

State Acceptance - "Construction Ready for Operation Declaration" was signed by the Chief Doctor (Dr. Stepan Semenovych Dnistrian) and registered at GASK (State Architectural Construction Inspection in Ternopil oblast) on December 25, 2012.

Transfer of Custody and Sustainment Memorandum of Understanding - Transfer of Custody is in process.

EDPs Permit - Permit for working with Pathogens will be obtained after signing TOC and MoU.

USG Investment - Total cost of laboratory: **USD$1,755,786** (USD$1,312,810 for Design & Construction; USD$442,976 for lab equipment and furniture)

Click to see the full-size image

Vinnytsia Diagnostic Laboratory (Vinnytsia DL)
Vinnytsia Oblast Laboratory Center
11, Malinovskogo str., Vinnytsia

Fact Sheet

Technical Assistance Project – Technical Assistance Plan for designated recipients of the Ministry of Health of Ukraine. Registration card #2225-04 dated 21.05.2012.

Donor – the Department of Defense of the United States of America

Beneficiary/Executive Agent – the Ministry of Health of Ukraine

Recipient – Vinnytsia Oblast Laboratory Center (former - Vinnytsia Oblast SES)
Address: 11, Malinovskogo str., Vinnytsia
POC: Dr. Valentina Grigoryevna Zaytseva, Head of the Laboratory Center

Contractor Team - Integrating Contractor: Black & Veatch. Ukrainian Subcontractors: Vinnytsia Design Institute of MoH-Lviv (Designer) & RK-Center (Construction) & Biolabtech (Equipment supply).

Design Oversight (Avtonadzor) – Architectural Construction Engineering Company Vinnytsia

Construction Oversight (Technadzor) – O.I.Kuprienko

Expert Examination of Design Approval - The Conceptual Design was approved by MoH Central Regime Commission on November 06, 2009. The Working Design was approved by Vinnytsia "Ukrbudderzhexpertise" on November 13, 2009.

Construction permit - The Construction Permit was signed by GASK (State Architectural Construction Inspection in Vinnytsia oblast) on May 05, 2010.

State Acceptance – "Construction Acceptance Act" was signed by the Chief Doctor (Valentina Grigoryevna Zaytseva) on August 30, 2010. Building Certificate Compliance was signed by GASK (State Architectural Construction Inspection in Vinnytsia oblast) on August 31, 2010.

Transfer of Custody and Sustainment Memorandum of Understanding - The TOC and S&T MoU were signed by the Chief State Doctor Valentina Grigoryevna Zaytseva on December 01, 2010.

EDPs Permit – The permit for working with Pathogens was issued by Regime Commission of MoH on December 22, 2010.

USG Investment - Total cost of laboratory: **USD$1,504,840** (USD$1,106,610 for Design & Construction; USD$398,230 for lab equipment and furniture)

Click to see the full-size image

Zakarpartska Diagnostic Laboratory
Zakarpartska Oblast Laboratory Center
96, Sobranetska Street., Uzhgorod

Fact Sheet

Technical Assistance Project - Technical Assistance Plan for designated recipients of the Ministry of Health of Ukraine. Registration card #2225-04 dated 21.05.2012.

Donor – the Department of Defense of the United States of America

Beneficiary/Executive Agent - the Ministry of Health of Ukraine

Recipient – Zakarpatska Oblast Laboratory Center (former Zakarpatska Oblast SES)
Address: 96, Sobranetska Str., Uzhgorod
POC: Dr.,Vladimir Mikhailovich Markovich, Director if the Oblast Laboratory Center

Contractor Team - Integrating Contractor: Black & Veatch. Ukrainian Subcontractors: - Ekzotika LTD-Uzhgorod (Designer) & RK-Center (Construction) & Mediamax (Equipment supply).

Design Oversight (Avtonadzor) - Ivan Andriyovych Mygalko

Construction Oversight (Technadzor) - Sergey Yurievich Petrovsiy

Expert Examination of Design Approval - Conceptual Design was approved by the MoH Central Regime Commission on August 11, 2010. The Working Design was approved by Zakarpatska Oblast "Ukrbudderzhexpertise" on December 07, 2010.

Construction permit - The Construction Permit was signed by GASK (State Architectural Construction Inspection in Zakarpatska oblast) on December 29, 2010

State Acceptance - "Construction Acceptance Act" was signed by the Chief Doctor (Dr. Vladimir Mikhailovich Markovych) on July 15, 2011. Building Certificate Compliance was signed by GASK (State Architectural Construction Inspection in Zakarpatska oblast) on July 23, 2011.

Transfer of Custody and Sustainment Memorandum of Understanding - The TOC and S&T MoU were signed by the Chief Doctor (Dr. Vladimir Mikhailovich Markovych) on February 16, 2012.

EDPs Permit - The permit for working with Pathogens was issued by Regime Commission of MoH on March 02, 2012.

USG Investment - Total cost of laboratory: **USD$1,920,432** (USD$1,516,354 for Design & Construction; USD$404,078 for lab equipment and furniture)

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Institute of Veterinary Medicine of the National Academy of Agrarian Sciences

Fact Sheet

Technical Assistance Project – Memorandum on technical assistance for project recipients of the State Committee of Veterinary Medicine of Ukraine and National Academy of Agrarian Sciences of Ukraine. Registration card #2225-04, dated 05.21.2012

Donor – The Department of Defense of the United States of America (DoD)

Beneficiary/Executive Agent - The State Committee of Veterinary Medicine of Ukraine (now the State Veterinary and Phytosanitary Service of Ukraine)

Recipient – Institute of Veterinary Medicine of the National Academy of Agrarian Science
Address: 30, Donetska street, Kiev, Ukraine
POC: Dr. Serhiy Nychyk, Director

Contractor Team - Integrating Contractor: Black & Veatch. Ukrainian Subcontractors: Project Technichniy Center (Designer) & Mediamax (Construction & Equipment supply).

Design Oversight (Avtornadzor) – Mutilin Sergey Volodimirovich

Construction Oversight (Technadzor) - Ziryanov Dmitro Vicktorovich

Expert Examination of Design Approval – The Conceptual Design was approved by the MoH Central Regime Commission on July 11, 2012. The Working Design was approved by Dr. Nychyk, Director of IVM on August 29, 2012.

Construction permit – The Declaration for the beginning of construction was signed by Dr. Nychyk, Director of IVM and registered by GASK (State Architectural Construction Inspection in Kiev oblast) on September 07, 2012.

State Acceptance - "Construction Ready for Operation Declaration" was signed by Dr. Nychyk, Director of IVM on April 08, 2013 and applied for registration by GASK (State Architectural Construction Inspection in Kiev oblast) on April 15, 2013.

Transfer of Custody and Sustainment Memorandum of Understanding - Transfer of Custody is in process.

EDPs Permit - Permit for working with Pathogens is in process.

USG Investment - Total cost of laboratory: **$2,109,375.23 USD** ($1,217,164 for design and construction and $762,134 for equipment and furniture)

Click to see the full-size image

Kharkiv Diagnostic Laboratory
Kharkiv Oblast Laboratory Center
Pomirky region, Kharkiv

Fact Sheet

Technical Assistance Project - Technical Assistance Plan for designated recipients of the Ministry of Health of Ukraine. Registration card #2225-04 dated 21.05.2012.

Donor – the Department of Defense of the United States of America

Beneficiary/Executive Agent - the Ministry of Health of Ukraine

Recipient – Kharkiv Oblast Laboratory Center (former Kharkiv Oblast SES)
Address: Pomirky region, Kharkiv
POC: Dr. Tatyana Mykhaylivna Kolpakova, Chief Doctor of Oblast Laboratory Center

Contractor Team - Integrating Contractor: Black & Veatch. Ukrainian Subcontractors: Techno Project (Designer) & Macrochem (Construction & Equipment supply).

Design Oversight (Avtornadzor) - Vasyl Petrovich Lysenko

Construction Oversight (Technadzor) - Elena Aleksandrovna Sobol

Expert Examination of Design Approval - The Conceptual Design was approved by MoH Central Regime Commission on September 23, 2011. The Working Design was approved by Kharkiv "Ukrbudderzhexpertise" on May 08, 2012.

Construction permit - The Declaration for start of construction was signed by the Chief Doctor of Kharkiv Oblast SES (Dr. Tatyana Mykhaylivna Kolpakova) on May 28, 2012 and registered at GASK (State Architectural Construction Inspection in Kharkiv oblast) on May 31, 2012.

State Acceptance - "Construction Ready for Operation Declaration" was signed by the Acting Chief Doctor (Dr. Lubov Stepanivna Makhoya) on December 25, 2012 and registered at GASK (State Architectural Construction Inspection in Kharkiv oblast) on December 29, 2012.

Transfer of Custody and Sustainment Memorandum of Understanding - Transfer of Custody is in process.

EDPs Permit - Permit for working with Pathogens will be obtained after signing TOC and MoU.

USG Investment - Total cost of laboratory: USD$1,638,375 (USD$1,195,398 for Design & Construction; USD$442,977 for lab equipment and furniture)

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The US military program is sensitive information

Ukraine has no control over the military bio-laboratories on its own territory. According to the 2005 Agreement between the US DoD and the Ministry of Health of Ukraine the Ukrainian government is prohibited from public disclosure of sensitive information about the US program and Ukraine is obliged to transfer to the US Department of Defense (DoD) dangerous pathogens for biological research.

The Pentagon has been granted access to certain state secrets of Ukraine in connection with the projects under their agreement.

AGREEMENT

between the Department of Defense of the United States of America and the Ministry of Health of Ukraine Concerning Cooperation in the Area of Prevention of Proliferation of Technology, Pathogens and Expertise that could be Used in the Development of Biological Weapons

biological threats, the Ministry of Health of Ukraine shall transfer to the U.S. Department of Defense requested copies of dangerous pathogen strains collected in Ukraine for cooperative biological research in the centralized laboratories in Ukraine and in U.S. Department of Defense-designated laboratories in the United States for prophylactic, protective or other peaceful purposes. Details of such

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1. The information transmitted under this Agreement or developed as a result of its implementation and considered by the U.S. Department of Defense as "sensitive" or by the Ministry of Health of Ukraine as "restricted information" (in Ukrainian: "конфіденційна інформація") must be clearly designated and marked as such.

2. "Sensitive" information or "restricted information" shall be protected in accordance with the laws of the state of the party receiving the information.

A) According to the laws and regulations of the United States of America, such information shall be treated as "sensitive information of a foreign government", and shall be withheld from public disclosure to the extent permitted by the laws and regulations of the United States of America. Any such information transmitted by the Ministry of Health of Ukraine to the U.S. Department of Defense must be accompanied by a written declaration from the Government of Ukraine which states that it is withholding such information from public disclosure and that the information is provided to the Government of the United States of America on the condition that it not be released to the public without the approval of the Government of Ukraine. In this written declaration, the Government of Ukraine shall specify the date until which the information provided should be withheld from public disclosure by the Government of the United States of America. That date may be extended by the U.S. Department of Defense, to the extent permitted by the laws and regulations of the United States of America, in accordance with a request by the Government of Ukraine.

B) Information marked or designated by the U.S. Department of Defense as "sensitive" should be withheld from public disclosure by the Government of Ukraine.

3. The Parties shall minimize the number of persons who have access to information that is designated "sensitive" or "restricted information" in accordance with Paragraph 2 of this article.

4. During implementation of this Agreement, access to certain information and technology considered "state secret of Ukraine" may be provided to the U.S. Department of Defense in accordance with the provisions of the "Law of Ukraine on State Secret."

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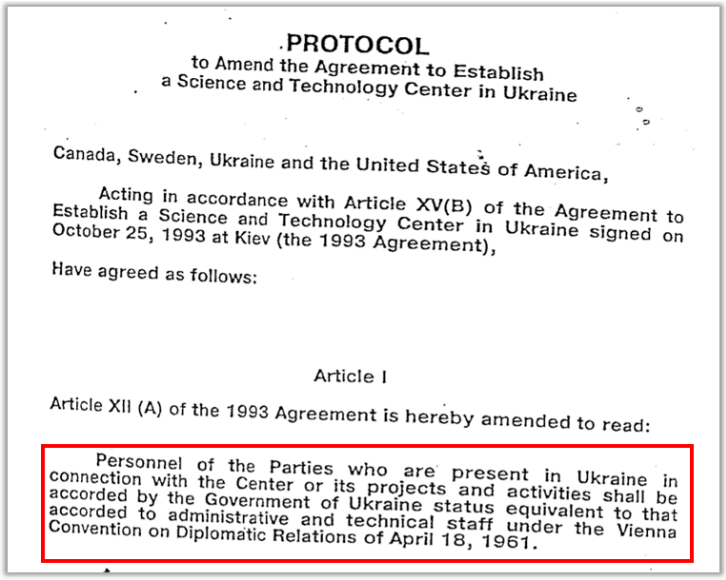
Biowarfare scientists under diplomatic cover

Among the set of bilateral agreements between the US and Ukraine is the establishment of the Science and Technology Center in Ukraine (STCU) – an International organization funded mainly by the US government which has been accorded diplomatic status.

> **The STCU officially supports projects of scientists previously involved in the Soviet biological weapons program. Over the past 20 years the STCU has invested over $285 million in funding and managing some 1,850 projects of scientists who previously worked on the development of weapons of mass destruction**.



PROTOCOL
to Amend the Agreement to Establish
a Science and Technology Center in Ukraine

Canada, Sweden, Ukraine and the United States of America,

Acting in accordance with Article XV(B) of the Agreement to Establish a Science and Technology Center in Ukraine signed on October 25, 1993 at Kiev (the 1993 Agreement),

Have agreed as follows:

Article I

Article XII (A) of the 1993 Agreement is hereby amended to read:

Personnel of the Parties who are present in Ukraine in connection with the Center or its projects and activities shall be accorded by the Government of Ukraine status equivalent to that accorded to administrative and technical staff under the Vienna Convention on Diplomatic Relations of April 18, 1961.

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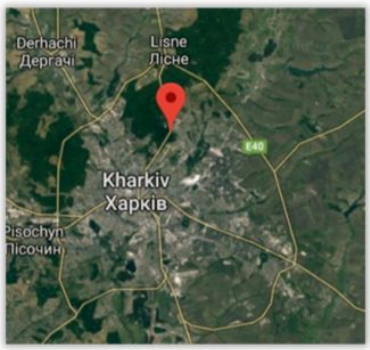
The US personnel in Ukraine work under diplomatic cover.

364 Ukrainians died from Swine Flu

One of the Pentagon laboratories is located in Kharkiv, where in January 2016 at least 20 Ukrainian soldiers died from Flu-like virus in just two days with 200 more being hospitalized. The Ukrainian government did not report on the dead Ukrainian soldiers in Kharkiv.

As of March 2016 364 deaths have been reported across Ukraine (81.3 % caused by Swine Flu A (H1N1) pdm09 – the same strain which caused the world pandemic in 2009).



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According to DPR intelligence information the US bio lab in Kharkiv leaked the deadly virus.

Police investigate infection with incurable disease

A highly suspicious Hepatitis A infection spread rapidly in just few months across South East Ukraine where most of the Pentagon biolabs are located.

37 people have been hospitalized for Hepatitis A in the Ukrainian city of Mykolaiv as of January 2018. Local police have launched an investigation into "infection with human immunodeficiency virus and

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other incurable diseases". Three years ago more than 100 people in the same city became infected with Cholera. Both diseases are alleged to have spread through contaminated drinking water.

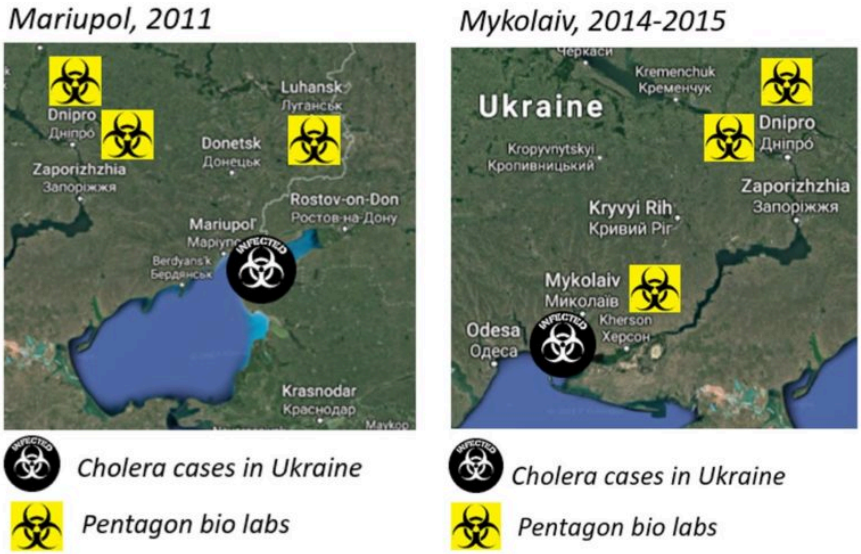
In the summer of 2017 60 people with Hepatitis A were admitted to hospital in the city of Zaporizhia, the cause of this outbreak is still unknown.

In the Odessa region, 19 children from an orphanage were hospitalized for hepatitis A in June 2017.

29 cases of Hepatitis A were reported in Kharkiv in November 2017. The virus was isolated in contaminated drinking water. One of the Pentagon bio-labs is located in Kharkiv which was blamed for the deadly Flu outbreak a year ago which claimed the lives of 364 Ukrainians.

Ukraine and Russia hit by new highly virulent cholera infection

In 2011 Ukraine was hit by a cholera outbreak. 33 patients were reportedly hospitalized for severe diarrhea. A second outbreak struck the country in 2014 when more than 800 people all across Ukraine were reported to have contracted the disease. In 2015 at least 100 new cases were registered in the city of Mykolaiv alone.



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A new highly virulent variant of the cholera agent *Vibrio cholera,* with a high genetic similarity to the strains reported in Ukraine, hit Moscow in 2014. According to a 2014 Russian Research Anti-Plaque Institute genetic study the cholera strain isolated in Moscow was similar to the bacteria which caused the epidemic in neighboring Ukraine.

Southern Research Institute one of the US contractors working at the bio-laboratoriesin Ukraine, has projects on Cholera, as well as on Influenza and Zika – all pathogens of military importance to the Pentagon.

Along with Southern Research Institute, two other private American companies operate military bio-labs in Ukraine – Black&Veatch and Metabiota.

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Black & Veatch Special Project Corp. was awarded $198.7 million DTRA contracts to build and operate bio-laboratories in Ukraine (under two 5-year contracts in 2008 and 2012 totaling $128.5 million), as well as in Germany, Azerbaijan, Cameroon, Thailand, Ethiopia, Vietnam and Armenia.

Metabiota has been awarded a $18.4 million federal contract under the program in Georgia and Ukraine. This US company was also contracted to perform work for the DTRA before and during the Ebola crisis in West Africa, the company was awarded $3.1 million (2012-2015) for work in Sierra Leone .

Southern Research Institute has been a prime subcontractor under the DTRA program in Ukraine since 2008. The company was also a prime Pentagon contractor in the past under the US Biological Weapons Program for research and development of bio-agents with 16 contracts between 1951 and 1962.

FORT DETRICK RDTE TYPE CONTRACTS

CONTRACTOR	NUMBER OF CONTRACTS	CONTRACT DATE	TERMINATION DATE
cont'd		Jan 1955	Sep 1957
Southern Research Inst.	16	Apr 1951	Jan 1952
		Jun 1951	Jun 1952
		May 1952	Dec 1952
		May 1952	Sep 1953
		Jun 1952	Jun 1953
		Jun 1953	Jul 1954
		Oct 1953	Sep 1954
		Feb 1953	Nov 1955
		Jun 1954	Dec 1955
		Oct 1954	Jan 1956
		Aug 1954	Sep 1955
		Jan 1956	Mar 1958
		Jul 1956	Aug 1957
		Feb 1960	Apr 1961
		May 1960	Sep 1963
		Dec 1961	Jun 1962

Source: US Army Activities in the US, Biological Warfare Programs, vol. II, 1977, p. 82

Soviet Defector produced anthrax for the Pentagon

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Southern Research Institute was also a subcontractor on a Pentagon program for anthrax research in 2001. The prime contractor being Advanced Biosystems, whose president at that time was Ken Alibek (a former Soviet microbiologist and biological warfare expert from Kazakhstan who defected to the US in 1992).

Bacillus anthracis, magnified more than 12,000 times

Ken Alibek

Ken Alibek was the First Deputy Director of Biopreparat, where he oversaw a program for biological weapon facilities and was the Soviet Union's main expert on anthrax. After his defection to the US, he was engaged on Pentagon research projects.

$250 000 for lobbying Jeff Sessions for "research for US intelligence"

Southern Research Institute lobbied the US Congress and US Department of State hard for "issues related to research and development for US intelligence" and "defense related research and development". The lobbying activities coincided with the start of the Pentagon projects on bio-labs in Ukraine and other former Soviet states.

The company paid $ 250 000 for lobbying the then Senator Jeff Sessions in 2008-2009 (currently the US Attorney General appointed by Donald Trump), when the institute was awarded a number of federal contracts.

16. Specific lobbying issues
Issues related to research and development for U.S. intelligence.
17. House(s) of Congress and Federal agencies ☐ Check if None
U.S. HOUSE OF REPRESENTATIVES, U.S. SENATE
Covered Official Position (if applicable)
Senior Defense Policy Advisor, Sen. Jeff Sessions
Senior Foreign Service Officer

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US Attorney General Jeff Sessions, US Senator from Alabama (1997-2017)

Watson Donald

For a 10-year period (2006-2016) Southern Research Institute paid $1.28 million for lobbying the US Senate, House of Representatives , the State Department and the Department of Defense (DoD). Senator Jeff Sessions' aide on Capitol Hill – Watson Donald, is now a Senior Director at Southern Research Institute.

Police investigate Botulism toxin poisoning in Ukraine

115 Botulism cases, with 12 deaths, were reported in Ukraine in 2016.

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In 2017 the Ukrainian Ministry of Health confirmed a further 90 new cases, with 8 deaths, of botulinum toxin poisoning (one of the most poisonous biological substances known). According to the local health authorities, the cause of the outbreak was food poisoning into which police launched an investigation .

The Ukrainian government stopped supplying antitoxin in 2014 and no botulism vaccines in stock were available during the 2016-2017 outbreak.

Botulism is a rare and extremely dangerous illness caused by a toxin produced by the bacterium *Clostridium botulinum.*

1 gm of the toxin can kill as many as 1 million people

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Botulinum neurotoxin poses a major bio-weapon threat because of its extreme potency, ease of production and transport. It causes muscles paralyses, respiratory failure and ultimately death if not treated immediately. A single gram of crystalline toxin, evenly dispersed and inhaled can kill more

than one million people. It could be disseminated via aerosol, or by contamination of water and/ or food supplies.

The Pentagon produces live Viruses, Bacteria & Toxins

Botulinum Toxin was tested as a bio-weapon by the US Army in the past, as well as Anthrax, Brucella and Tularemia. Although the US bio-weapons program was officially terminated in 1969 documents show that the military experiments have never ended. Presently the Pentagon produces and tests live bio- agents at the same military facility as it did in the past – Dugway Proving Ground.

Current Field Tests

1. REPORT DATE **12 MAR 2012**	2. REPORT TYPE	3. DATES COVERED **00-00-2011 to 00-00-2012**
4. TITLE AND SUBTITLE **Capabilities Report 2012, West Desert Test Center.**		5a. CONTRACT NUMBER 5b. GRANT NUMBER
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) **U.S. Army Dugway Proving Ground,Office of the Technical Director,West Desert Test Center,Dugway,UT,84022-5000**		8. PERFORMING ORGANIZATION REPORT NUMBER

Laboratory. The following are examples of BSAT materials produced and stored for research and testing at Dugway:

- **Bacteria** – Various strains of Bacillus anthracis, Brucella melitensis, Brucella abortus, Brucella suis, Burkholderia pseudomallei, Burkholderia mallei, Francisella tularensis, and Yersinia pestis.
- **Rickettsia** – *Coxiella burnetii* (9 Mile, 9-Mile Phase 1), *Rickettsia prowazekii* (Madrid E)
- **Toxins** – Botulinum neurotoxin (Types A, B, and E), Staphylococcal enterotoxin (enterotoxin B), ricin, abrin.
- **Virus** – Venezuelan Equine Encephalitis (Trinidad), Western Equine Encephalitis (CBA87), Eastern Equine Encephalitis (PE-6)

Source: Capabilities Report 2012, West Desert Test Center

Past Field Tests

BIOLOGICAL FIELD TESTING
- ANTI-PERSONNEL
PATHOGENIC AGENTS

LOCATION OF TEST	DATE(s) OF TEST	SIMULANT/AGENT USED
Dugway Proving Ground, UT	1 Jun 1951 - 26 Aug 1951	Coxiella burnetti
	27 Mar 1952	Psittacosis virus
		Pasteurella pestis (avirulent Strain A-1122)
	12 May 1952	Brucella suis
(Horizontal Grid)	9 Apr 52 & 9 Jul 52	Pasteurella tularensis
	Jun & Sep 1952	Brucella suis E. melitensis
	Jul - Aug 1952	Brucella suis
	Aug - Oct 1952	Brucella suis
	21 Aug 1952	Coxiella burnetii
	Sep - Nov 1952	Coxiella burnetii
	9 Oct 1952	Pasteurella
	19 Nov 1952	Clostridium botulinum toxin
	Dec 1952	Brucella melitensis
	24 Mar & 21 Apr 1953	Pasteurella tularensis
	18 Mar -12 Jul 1955	Coxiella burnetii
	20, 28 Dec 1954 & 6 Jan 1955	Brucella suis
	Jan - Apr 1954	Bacillus anthracis
	12 & 18 Nov 1954	Pasteurella tularensis
(Horizontal Grid)	27, 29 Oct 1954 3 Nov 1954	Brucella suis
	4 Sep 54 - 21 Feb 56	Bacillus anthracis
	12 Jan 1955	Brucella suis
	6, 15 Apr & 4 May 55	Brucella suis
	Mar 55 - Feb 56	Bacillus anthracis
	Jun 54 - Jun 55	Brucella suis
Animal Exposure Chamber	Aug - Oct 1957	Bacillus anthracis
	May - Jul 1958	
	Aug 57 - Apr 1959	Pasteurella tularensis
	23 Oct & 14 Nov 1957	Pasteurella tularensis
	Apr 1958	Pasteurella tularensis
	Jul 1959	Bacillus anthracis Pasteurella tularensis Coxiella burnetii
	Apr 1960 - Feb 1962	Pasteurella tularensis
	Apr 1960 - May 1960	Pasteurella tularensis
	Sep 1960	Botulinum toxin Bacillus anthracis Coccidioides
	30 Jan 1961 - 27 Sep 1962	Coxiella burnetii
	Aug 62 - Feb 63	Pasteurella tularensis
	Nov 62 - Mar 63	Pasteurella tularensis Coccidioides

Source: 1977 US Army Report, p. 135

Bioweapons factory in the US

The US Army produces and tests bio-agents at a special military facility located at Dugway Proving Ground (West Desert Test Center, Utah), as proven in a 2012 US Army Report. The facility is overseen by the Army Test and Evaluation Command.

The Life Sciences Division (LSD) at Dugway Proving Ground is tasked with the production of bio-agents. According to the Army report, scientists from this division produce and test aerosolized bio-agents at Lothar Saloman Life Sciences Test Facility (LSTF).

Photo Credit: Dugway Proving Ground

Lothar Saloman Life Sciences Test Facility (LSTF) where bio-terrorism agents are produced and aerosolized.

1. REPORT DATE	2. REPORT TYPE	3. DATES COVERED
12 MAR 2012		**00-00-2011 to 00-00-2012**
4. TITLE AND SUBTITLE **Capabilities Report 2012, West Desert Test Center.**		5a. CONTRACT NUMBER 5b. GRANT NUMBER 5c. PROGRAM ELEMENT NUMBER

Biological test challenge material can be disseminated in aerosol, liquid, or powder form in controlled test environments or in field testing. The following tables list some controlled biological agents and simulants that are produced by Life Sciences staff and disseminated during tests: (Note: List is not all-inclusive)

Class	Species	Name
Bacteria	*B. anthracis*	*Bacillus anthracis*
Bacteria	*B. melitensis*	*Brucella melitensis*
Bacteria	*C. burnetii*	*Coxiella burnetii*
Bacteria	*F. tularensis*	*Francisella tularensis*
Bacteria	*R. prowazekii*	*Rickettsia prowazekii*
Bacteria	*Y. pestis*	*Yersinia pestis*
Toxin		Abrin
Toxin		Botulinum toxins
Toxin		Ricin
Toxin		T-2 mycotoxin

Class	Symbol	Name
Virus	EEE	Eastern equine encephalitis
Virus	MoxV	Monkeypox
Virus	VEE	Venezuelan equine encephalitis
ALO	BaS	*Bacillus anthracis* Sterne
ALO	YpK	*Yersinia pestis* KIM
Simulant	BG	*Bacillus atrophaeus*
Simulant	Bt	*Bacillus thuringiensis*
Simulant	EH	*Erwinia herbicola*
Simulant	MS2	Male-specific bacteriophage type 2
Simulant	OV	Ovalbumin

Source: Capabilities Report 2012, West Desert Test Center

Biological Agents produced by the US Army at Dugway Proving Ground, Utah, USA

The Life Sciences Division consists of an Aerosol Technology branch and a Microbiology Branch. The Aerosol Technology Branch aerosolizes biological agents and simulants. The Microbiology branch produces toxins, bacteria, viruses and agent-like organisms which are used in chamber and field testing.

Click to see the full-size image

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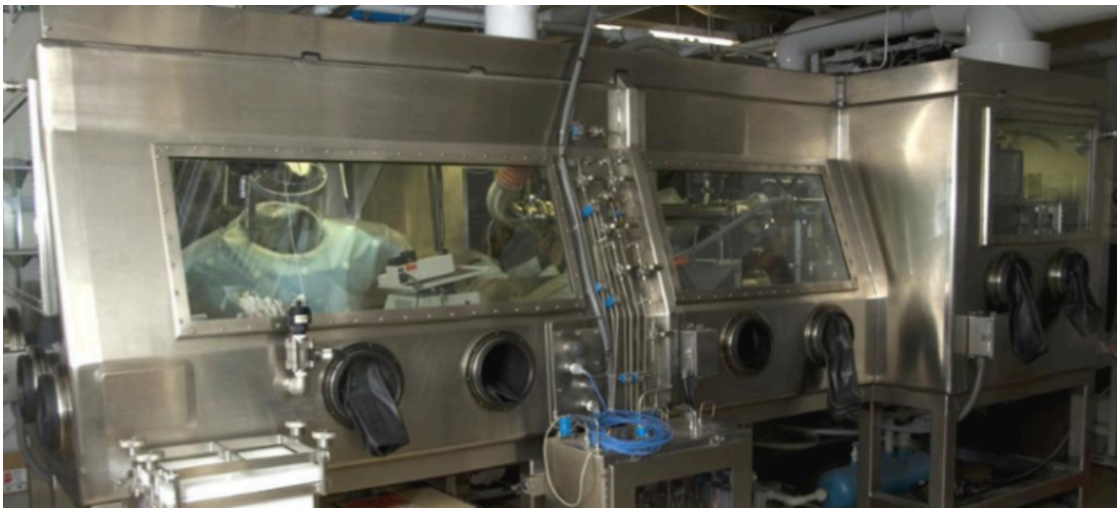
The fermentation laboratories at the Life Sciences Test Facility grow bacteria in fermentors ranging from a small 2 L to a large 1500 L system. The fermentors are tailored specifically to the requirements of the microorganism that is being engineered – pH, temperature, light, pressure, and nutrient concentrations that give the microorganism optimal growth rates.

A large 1500 L fermentator. Photos credit: Dugway Proving Ground

A post-production laboratory dries and mills test materials. Photos credit: Dugway Proving Ground

After the bio-agents are produced, the scientists challenge them at containment aerosol chambers.

Technicians disseminate live biological agents for identification sensitivity tests. Photos Credit: Dugway Proving Ground



Technicians disseminate live biological agents for identification sensitivity tests. Photos Credit: Dugway Proving Ground

Technicians disseminate live biological agents for identification sensitivity tests. Photos Credit: Dugway Proving Ground

Aerosol experiments with Botulinum Neurotoxin and Anthrax

Documents prove that the US Army produces, possesses and tests aerosols of the most lethal toxin in the world – Botulinum Neurotoxin. In 2014 the Department of the Army purchased 100 mg of Botulinum Toxin from Metabiologics for tests at Dugway Proving Ground.

The experiments date back to 2007 when an unspecified quantity of the toxin was procured to the Department of the Army by the same company – Metabiologics. According to the 2012 West Desert Test Center Report, the military facility performs tests with Botulinum Neurotoxin Aerosol, as well as with aerosolized Anthrax, Yersinia pestis, and Venezuelan Equine Encephalitis Virus (VEE).

Containment Aerosol Chamber (CAC)

Division: *Life Sciences* **Branch:** *Aerosol Technology*

Capability Summary

The Containment Aerosol Chamber (CAC), located within the Life Sciences Test Facility (LSTF), is a 7.3 m^3 stainless-steel fixture designed to contain up to biosafety level 3 (BSL-3) aerosols. The CAC is used to challenge detection systems with aerosolized live biological agents, live and killed agent-like organisms (ALO), and biological simulants.

The CAC features glass windows, glove ports, and half-suits for accessibility. An aerosol Mixing Tube Assembly (MTA) enables the controlled delivery of aerosolized agents and simulants into the Detector Challenge Chamber (DCC). The environmentally-controlled DCC is a 1 m^3 glove box constructed of half-inch Plexiglas® in which detector systems under test (SUT) are challenged with bioaerosols.

Concentration ranges for a trial can range from 0 to <12,000 agent-containing particles per liter of air (ACPLA), and a particle size distribution number median aerodynamic diameter of 0.5 µm to 6 µm. Simulants and agents of biological origin (ABO) may include: *Bacillus atrophaeus* (BG), live and gamma (γ)-inactivated *Bacillus anthracis* (Ba), live and γ-inactivated *Yersinia pestis* (Yp), active and inactive botulinum neurotoxin, active and inactive Venezuelan Equine Encephalitis Virus (VEE), live and γ-

Source: Capabilities Report 2012, West Desert Test Center

Outdoor field test programs at Dugway Proving Ground

US Army documents and photos show that the Pentagon has developed various dissemination methods for bioterrorism attacks including by explosives.

1. REPORT DATE **12 MAR 2012**	2. REPORT TYPE	3. DATES COVERED **00-00-2011 to 00-00-2012**
4. TITLE AND SUBTITLE **Capabilities Report 2012, West Desert Test Center.**		5a. CONTRACT NUMBER 5b. GRANT NUMBER
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) **U.S. Army Dugway Proving Ground,Office of the Technical Director,West Desert Test Center,Dugway,UT,84022-5000**		8. PERFORMING ORGANIZATION REPORT NUMBER

Dissemination by Explosives

Dissemination by explosives may be a single-point detonation of 1 to 55 gallons of chemical simulant, or small quantities launched from the Simulator Projectile Airburst Liquid (SPAL) system. For single-point detonations, explosive operators typically use a ratio of 1 lb of Composition 4 (C-4) explosives for every 4 lbs of simulant, up to 60 blocks for a 55-gallon container.

Simulator Projectile Airburst Liquid (SPAL) system

The trailer-mounted SPAL system consists of short launch tubes containing simulant-filled canisters and bursters. SPAL containers can be launched from a moving vehicle (1 to 10 mph) via the firing box located in the cab. Canisters explode at a predetermined height, disseminating up to one liter of chemical or biological simulant, such as acetic acid (AA), MeS, TEP, SF6, and *Bacillus thuringiensis* (Bt). The SPAL system can disseminate up to 100 grams of dry biological simulant, such as BG and OV.

Ammonium nitrate/fuel oil (ANFO) explosives may be used to detonate CB simulants from a particle-dispersal device (PDD) or a fluid-dispersal device (FDD). The PDD and FDD can be mounted to wooden towers or other elevated sacrificial structures for above-ground detonations. Simulant plumes have been created to test the WMD Aerial Collection System (WACS), mounted to an unmanned aircraft system (UAS), which located and interrogated the plumes.

The air burst artillery simulator creates an air explosion of chemical or biological simulants at 500 feet representing a real-world threat and is used in the methodology stage of a test.

Source: Capabilities Report 2012, West Desert Test Center

Dissemination of contaminants for biological/chemical tests. Photo credit: Dugway Proving Ground

Dissemination of contaminants for biological/chemical tests. Photo credit: Dugway Proving Ground

Liquid Dissemination. Photos Credit: Dugway Proving Ground

Powder Dissemination. Photos Credit: Dugway Proving Ground

Dissemination on the test grid. Photos Credit: Dugway Proving Ground

The US Army report lists numerous dissemination techniques including by bio-aerosol sprayers. Such sprayers called Micronair disseminators have already been developed by the US Army and tested at Dugway Proving Ground. According to the documents, they can be vehicle-mounted, or worn as a backpack, with a pump system which can be fitted to the unit to increase the accuracy of the release. Micronair sprayers can release 50 to 500 mL of bio-liquid simulant per minute from 12 L tanks.

Aerosol Sprayers. Photo credit: Dugway Proving Ground

The US stole bacteria from Saddam Hussein's bio weapons factory

Bacillus thuringiensis is an insect pathogen that is widely used as a bio-pesticide. B. thuringiensis (BT) Al Hakam was collected in Iraq by the UN Special Commission led by the US in 2003. It is named after Al Hakam – Iraq's bio-weapons production facility.

Apart from Pentagon field tests, this bacterium is also used in the US for the production of GM corn, resistant to pests. Photos posted by the CIA prove that the bacteria was collected by the US in Iraq. According to the CIA, the vials containing bio-pesticide, were recovered from an Al Hakam scientist's home.

CIA: A total of 97 vials-including those with labels consistent with the al Hakam cover stories of single-cell protein and bio-pesticides, as well as strains that could be used to produce BW agents were recovered from a scientist's residence in Iraq in 2003.

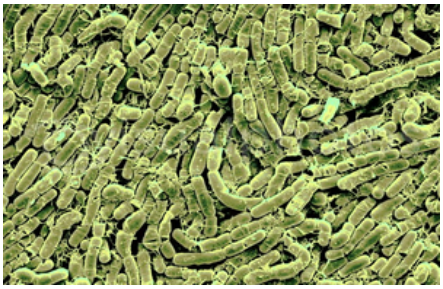


Photo Credit: CIA

Bacillus thuringiensis

Information from the US federal contracts registry shows that the Pentagon performs tests using the bacteria stolen from Saddam Hussein's bio-weapons factory in Iraq.

2017 Pentagon field tests with BT Al Hakam Bacteria from Iraq

Laboratory Analysis Services Federal Project

The Defense Threat Reduction Agency (DTRA) is faced with a range of challenges in developing capabilities to address the chemical and biological (CB) Counter WMD (CWMD) mission. DTRA's CWMD Test Support Division is tasked with developing and fielding the advanced technologies, methodologies, and instrumentation that will be used to test new and emerging weapons of mass destruction (WMD) defeat capabilities. Technologies are desired that can measure airborne chemical concentrations, determine vapor and aerosol fractions, and characterize aerosol composition, size distribution, concentration and velocities for agent defeat tests. Laboratory analysis services are required to process Bacillus thuringiensis and/or other simulant field samples and to process these samples to determine the Colony Forming Units (CFUs). As testing progresses other lab analysis may be required depending on sampling methodologies necessary to meet the mission's needs.

•1.1. Samples from DTRA shall be characterized prior to field tests to establish baseline results. Following field tests, samples will be processed, plated, incubated and counted for CFUs (in triplicate). The results of these CFUs in each sample shall be reported.

•1.2. Effect of sampling technique on the viability of the Bt Al Hakam or other simulants shall be determined (positive and negative controls)

•1.3. Provide advice and recommendations with regard to chemical/biological test designs

•o Personnel who are U.S. citizens and have advanced degrees in the biological and chemical fields (i.e. microbiology, aerosol science, chemistry, biology)

The Defense Threat Reduction Agency (DTRA) federal project for laboratory analysis and field tests with bacteria. Source: govtribe.com

The tests are performed on Kirtland Air Force Base (Kirtland is the home of the Air Force Materiel Command's Nuclear Weapons Center). Here weapons are being tested, meaning that the field tests with biological simulants (bacteria) also fall into this group.

The DTRA contractor on this project – Lovelace Biomedical and Environmental Research Institute (LBERI), operates an Animal Bio-safety 3 Level (ABSL-3) laboratory which has Select Agent status. The facility is designed to conduct bioaerosol studies. The company has been awarded a 5-year contract for field tests with biological simulants at Kirtland Air Force Base.

Photo Credit: Kirtland Air Force Base. Photo credit: Dugway Proving Ground

Some of the tests are performed in a wind tunnel. Photo credit: Dugway Proving Ground

Field tests with Biological Simulants (bacteria)

What the Pentagon is now doing is exactly what it did in the past, meaning that its bio-weapons program was never terminated. The US Army performed 27 field tests with such biological simulants, involving the public domain from1949 to 1968, when President Nixon officially announced the end of the program.

BIOLOGICAL FIELD TESTING
ANTI-PERSONNEL
BIOLOGICAL SIMULANTS
INVOLVING PUBLIC DOMAIN

LOCATION OF TEST	DATE(s) OF TEST	SIMULANT/AGENT USED
Washington, DC	18 Aug 1949 26 Aug 1949 12-13 Dec 1949 11 Mar 1950	SM
USS Coral Sea anchored in Hampton Rds, & USS K.D. Bailey at sea off entrance to Hampton Roads Hampton Roads, VA 1 trial at anchor, 16 trials at sea off the entrance	1-21 Apr 1950	BG SM
San Francisco, CA	Sep 1950	SM BG
Port Hueneme, CA	10 Sep - 24 Oct 1952	BG
Panama City, FL	Mar-May 1953	SM BG
Off-shore, between Port Hueneme and Point Mugu, CA, near Santa Barbara	17-27 Aug 1954	BG
Pennsylvania State Highway #16 westward for one mile from Benchmark #193	7 Jan 1955	BG
Kittakinny and Tuscarora Tunnels, Pennsylvania Turnpike	Aug 1955	BG
Offshore Hawaii	Jan-June 1963	BG

Click to see the full-size image

LOCATION OF TEST	DATE(s) OF TEST	SIMULANT/AGENT USED
Vicinity Ft. Greeley, Alaska	Dec 1963 - Jan 1964	BG
Central Alaska	Jan - Feb 1965	BG FP
National Airport & Greyhound Terminal, Wash, DC	May 1965	BG
Oahu, Hawaii	May - Jun 1965	BG
Off California Coast (San Diego)	Feb - Mar 1966	BG
Hawaii, Hawaii	Apr - May 1966	BG
New York, NY	7-10 Jun 1966	BG
Hawaii, Hawaii	Jan - Mar 1968	BG SM
Oahu, Hawaii	Apr - May 1968	BG
Dugway Proving Ground Utah	1945 Jul-Nov 1949	BG. BG
Camp Cooke, California	1955	BG FP
Edgewood Arsenal, MD	1959	BG
Key West, FL	1952	SM
Off California Coast (San Clemente)	Aug-Sep 1968	BG

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Source: US Army Activities in the US, Biological Warfare Programs, vol. II, 1977, p. 125-126

Field tests in Chechnya

The Defense Threat Reduction Agency (DTRA), which runs the US military program at the Lugar Center in Georgia, is alleged to have already performed field tests with an unknown substance in

Chechnya, Russia. In the spring of 2017 local citizens reported on a drone disseminating white powder close to the Russian border with Georgia. Neither the Georgian border police, nor the US personnel operating on the Georgia-Russia border, commented on this information.

$9.2 million US military project on Russia-Georgia border

DTRA has full access to the Russia-Georgia border, granted under a military program called "Georgia Land Border Security Project". The activities, related to the project have been outsourced to a private American company – Parsons Government Services International. DTRA has previously contracted Parsons for similar border security projects in Lebanon, Jordan, Libya and Syria. Parsons have been awarded a $9.2 million contract under the Pentagon border security project on the Russia-Georgia border.

Click to see the full-size image

Local citizens in Chechnya noticed a UAV sprayer near the Russian border with Georgia in 2017.

US Defense Agency tests GM Insects to transmit GM Viruses

The Pentagon has invested at least $65 million in gene editing. The US Defense Advanced Research Projects Agency (DARPA) has awarded 7 research teams to develop tools for genome engineering in insects, rodents and bacteria under DARPA's Safe Gene program, using a novel CRISPR-Cas9 technology.

CRISPR/Cas9-mediated disruption of genes associated with cuticle pigment caused mosquitoes to turn from black to yellow, and disruption of genes associated with eye pigment caused eye color to change from black to white.

Credit: UC Riverside

Click to see the full-size image

Click to see the full-size image

Under another military program –Insect Allies, GM insects are engineered to transfer modified genes to plants**.** The $10.3 million DARPA project includes both gene editing in insects and in the viruses that they transmit. Ecological Niche-preference Engineering is a third ongoing military program for genome engineering in insects. The Pentagon's stated objective is to engineer GM organisms so that they can resist certain temperatures, change their habitat and food sources.

Solicitation Number: DARPA-RA-16-63
Agency: Other Defense Agencies
Office: Defense Advanced Research Projects Agency

12. Ecological Niche-preference Engineering
This topic seeks development of technologies that enable the genetic engineering of organism's preference for a niche (e.g., temperature range, food source, and habitat).

Source:fbo.gov

Genetically engineered humans

Besides gene editing in insects and in the viruses they transmit, the Pentagon wants to engineer humans as well.

DARPA Advanced Tools for Mammalian Genome Engineering Project seeks to create a biological platform inside the human body, using it to deliver new genetic information, and thus altering humans at the DNA level.

DARPA wants to insert an additional 47th artificial chromosome into human cells. This chromosome will deliver new genes that will be used for engineering the human body. SynPloid Biotek LLChas been awarded two contracts under the program totaling $1.1 million **(**2015-2016 – $ 100,600 for the first phase of the research; 2015-2017 – $ 999,300 for work which is not specified in the federal contracts registry. The company has only two employees and no previous record on bio-research.

Top Secret Research on Synthetic Viruses

Between 2008 and 2014, the United States invested approximately $820 million in synthetic biology research, Defense being a major contributor. Much of the military projects on synthetic biology are classified, among them are a number of classified studies by the secretive JASON group of US military advisors – e.g. Emerging Viruses and Genome Editing for the Pentagon, and Synthetic Viruses for the National Counterterrorism Center.

JASON is an independent scientific advisory group that provides consulting services to the U.S. government on matters of defense science and technology. It was established in 1960 and most of their resulting JASON reports are classified. For administrative purposes, the JASON's projects are run by the MITRE Corporation, which has contracts with the Defense Department, CIA and the FBI. Since 2014 MITRE has been awarded some $27.4 million in contracts with the DoD.

Although the JASON Reports are classified, another US Air Force study titled Biotechnology: Genetically Engineered Pathogens, sheds some light on what the secretive JASON group has researched – 5 groups of genetically engineered pathogens that can be used as bio-weapons. These are binary biological weapons (a lethal combination of two viruses), host swapping diseases (animal viruses that "jump" to humans, like the Ebola virus), stealth viruses, and designer diseases**.** Designer diseases can be engineered to target a certain ethnic group, meaning that they can be used as ethnic bio-weapons.

Ethnic Bioweapons

Ethnic biological weapon (*biogenetic weapon*) is a theoretical weapon that aims to primarily harm people of specific ethnicities, or genotypes.

Although officially the research and development of ethnic bio-weapons have never been publicly confirmed, documents show that the US collects biological material from certain ethnic groups – Russians and Chinese.

The US Air Force has been specifically collecting Russian RNA and synovial tissue samples, raising fears in Moscow of a covert US ethnic bio-weapons program.

Synovial Tissue / RNA Samples

Solicitation Number: FA3016-17-U-0164
Agency: Department of the Air Force
Office: Air Education and Training Command
Location: 502d Contracting Squadron

CONTRACT LINE ITEM NUMBER (CLIN)	Description Origin / Race	QTY	U/I
0001	Normal Human Fresh Frozen Synovial Tissue (Russian / Caucasian)	27	EA
0002	Normal Human Ribonucleic Acid (RNA) Samples (Russian / Caucasian)	12	EA

Technical Specifications – The proposed items must meet the following characteristics to be deemed technically acceptable (See FAR 52.212-2 (a) Addendum for details):

- All Normal Human Fresh Frozen (FF) Synovial Tissue and and Normal Human Ribonucleic Acid (RNA) samples must be Russian / Caucasian origin.
- All FF Synovial tissue and RNA samples must come from normal donors, who have no musculoskeletal injuries. This shall be confirmed by pathology.
- All FF synovial tissue must have a weight greater than or at a minimum of 0.25 grams.
- All RNA samples must be frozen.
- Synovial Tissues and RNA samples can be unmatched, meaning from different donors.

Q2: Would you consider samples from Ukraine?

A2: No, all samples (Synovial tissue and RNA samples) shall be collected from Russia and must be Caucasian. The Government will not consider tissue samples from Ukraine.

Source: fbo.gov

Apart from Russians, the US has been collecting biological material from both healthy and cancer patients in China. The National Cancer Institute has collected biological samples from 300 subjects from Linxian, Zhengzhou, and Chengdu in China. While another federal project, titled Serum Metabolic biomarkers discovery study of Esophageal Squamous Cell Carcinoma in China, includes analysis of 349 serum samples which have been collected from Chinese patients.

Click to see the full-size image

The US National Cancer Institute has been collecting biological material from patients of the Chinese Cancer Hospital in Beijing.

Chinese biological material has been collected under a series of federal projects including saliva and cancer tissue. Among them, Genotyping DNA Samples from Lymphoma cases and from controls (healthy patients), Breast cancer tissue blocks from breast cancer patients, Saliva samples of 50 families who have 3 or more cases of UGI cancer, Genotype 50 SNP'S for DNA samples from the Cancer Hospital, Beijing, Genotypes from 3000 cases of gastric cancer and 3000 controls (healthy patients) in Beijing.

Tobacco Vaccines

How the Pentagon helped tobacco companies to profit from Ebola

The Defense Advanced Research Projects Agency (DARPA) has invested $100 million in vaccines production from tobacco plants.

The companies, involved in the project, are owned by the biggest American tobacco companies – Mediacago Inc. is co-owned by Philip Morris and Kentucky BioProcessing, a subsidiary of Reynolds American which is owned by British American Tobacco. Currently they are producing Flu and Ebola vaccines from tobacco plants.

The $100 million program Blue Angel was launched as a response to the H1N1 pandemic in 2009. Medicago being awarded $21 million to produce 10, 000 million doses of an influenza vaccine within one month.

Blue Angel program manager Dr. John Julias explains: "Although there are multiple plant species and other organisms being explored as alternative protein production platforms, the US Government has continued to make an investment in tobacco-based manufacturing."

Photos credit: DARPA

The plant-based vaccine production method works by isolating a specific antigen protein that triggers a human immune response from the targeted virus. A gene from the protein is transferred to bacteria, which is used to infect plants. The plants then start producing the protein that will be used for vaccinations.

It is not clear why the Pentagon choses to invest in vaccines produced from tobacco plants amongst all other plant species, which they explored. Medicago, co-owned by Philip Morris, paid $495,000 for lobbying the Department of Defense, the Congress and The Department of Health and

Human Services for “funding to advance technology to support public health preparedness applications”. The Pentagon funded tobacco companies to develop new technology and to profit from vaccines.

Biological Experiments are war crimes

Article 8 of The Rome Statute of The International Criminal Court (ICC) defines biological experiments as war crimes. The US, however, is not a state party to the international treaty, and cannot be held accountable for its war crimes.
Links:

- https://threadreaderapp.com/thread/1496745429672857602.html
- https://www.anti-spiegel.ru/2019/pressekonferenz-nach-russland-uebergelaufener-ukrainischer-geheimdienst-offizier-ueber-verbrechen-in-der-ukraine/

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